

# SEQUENCE LISTING

<110> Weaver, Zoe

<120> Process for Identifying Anti-Cancer Therapeutic Agents Using  
Cancer Gene Sets

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<150> US/60/233,133

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<150> US/60/234,009

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tccttgtcac	cactcttttt	gagactgttt	ttgcaacaac	aaaagcattt	gttgacactc	780
gtgctgttaa	gagatttggt	tatgtttata	ttatactcaa	aaacaatttc	ttcatctatt	840
cctgtactaa	tggtttctct	ttgcagttca	cagagaattt	ggggctctct	tcatgccttg	900
aaattttggg	gtccatagtg	aatattttgt	tattttattg	tttggctcat	tctttatata	960
gtaatggaaa	cataagtcta	ggagttagaa	atgaattttt	tagaccttag	taaaaccatt	1020
taaccataaa	atggacaact	gagaattctc	ccagctgcct	gaaagcgtcg	ccaactgtgg	1080
ttatcctgca	agctgctacc	tgcaacttgg	acgttgtttc	cacgtgctct	gctggctacg	1140
attcttgcat	tctgggtttg	gcttttttct	gtgtcatcaa	ctatgggttat	cctctaaata	1200
ggcattttaat	gaaacattgt	acaaattgtc	actcatttga	tgacacctgg	gaataacatt	1260
agcaggctga	tgtcctgcac	cattatgttt	actaatcaca	tgttctgtgt	gctgtgacga	1320

ctgtcaaaga gtatctggcc atggcggaca ctcagcattt gttgattgaa taaatgttag 1380  
ctcttctcaa aaaaaaaaaa aaaaaaaaaa aa 1412

<210> 18  
<211> 470  
<212> DNA  
<213> Homo sapiens

<400> 18  
cgaaaaagg aacaaagcgt tactgaaaag aaggtaacct ttgttggatg tgggccttag 60  
ctccaggtcc agactactac tctatgttct ccagaagggt gctaagtcac ctactgaaga 120  
gagaaccaac tgactttcct attgactcat caggaaccag tcctcagtcct ggtcaagttg 180  
tttcttattt gtgagcagtt caggctatct cctgatgggg atgaggccaa ggctttctta 240  
tcttttggtt gtctctgctt aatggaggag cctggcctag gatggaggcc tggcttagat 300  
ctttcattcc acctcaggaa tgaggttgtg atctttcctg tcctgacct ctctgaatta 360  
tgtttcaata gtactcttga ttgtctgcc tgttgttgaa gcaaatgaat tattttttaa 420  
tgtaagtaa gtaaataaac cttagcccg caaaaaaaa aaaaaaaaaa 470

<210> 19  
<211> 738  
<212> DNA  
<213> Homo sapiens

<400> 19  
aatcacgcg attcaacttg caaacacct tccactccca caaagagcaa gctgtcactg 60  
gccaatcaaa acaatgaacc ataataaag agtttttctt gctccacca ctcggtgacc 120  
aaatttgaaa aaaaaaaaa accgcgccaa ctcatgttgt tttcaatcag gtccgccaa 180  
tttgtattta aggaactgtt tcagttcata ccttccactg cgataggaat catgtctggt 240  
cgcgccaaag gcggaaaagg cttgggggaag ggtggtgcta agcgccatcg taagggtgctc 300  
cgggataaca tccagggtcat taaaaaccg gctatccgcc gtttggtctg gcgcggtggg 360  
gtcaagcgca tttccggtct tatctatgag gagactcgag gtgtgcttaa ggttttctta 420  
gagaacgtta ttcgagacgc cgtcacctat acggagcacg ccaagcgcaa aactgtcaca 480  
gccatggatg tagtatatgc ctaaaacgt caggggcgca ctctgtatgg cttcggcggc 540  
tgaatctaag aatacgcggt ctcttgagaa cttcaaaaa caaaaaacc caaaggccct 600  
tttcagggcc gctcacaag tcgtttaaag agctgaaatg cgttgcgaga atgagtttg 660  
atgacagaaa taaccgtgac agcctgcata agaataaatt gtgtttgcc tgaaccggcca 720  
cactgtgaca aaatttca 738

<210> 20  
<211> 446  
<212> DNA  
<213> Homo sapiens

<400> 20  
aactgaggca tcatggcagt ttaatagtga ggtatttaat tgcattttta taaaaaacat 60  
tgcaaaacaa agtgacaata gggacctaaa ttcttttgac ttacggtaga gatgcttgag 120  
gatcctaata ttctacttct gccaatatgt caggtaggaa gtcacaaatg ttccccataa 180  
gccattacaa actggctaag gaaaatcagt catgactaag tccttgctctg catcacgctc 240  
ctgccccctc acacactgtc tgagcgtgca cttttcttcc gaaggctaatt ttatgaggca 300  
ttctgcctga gtcagggtta ttgctaagt gaaggtttga tgaacctccc agtagaaaat 360  
gcaaggcctg caaaaatgcc gaacagctcc gatttactat gggcttataa tcaaggggcaa 420  
actatacaat aagagggttg gtattt 446

<210> 21  
<211> 442  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc.feature  
<223> n=a,t,g or c

<400> 21

```

>>>
gggtgttccct gagcgggttg tgcgggtgat ggatactctt ctgatactgg ctcttcgtgc 60
tataatttct tttctcacca agagcaggtg ccctttcaga agggaatggg antngaggga 120
gggtcacaga aacacctcgg cactggggga aacgtggcct agcctctgng ancggcganc 180
agcggccgga anactgggtg gctgcggggc ggcgcggtt cannaggctt ctttttccgc 240
ggacggagac actngtacag cccaagtctc gagnaacgc caacgccgac gccttctcca 300
acaaaagatg gcctcggact caagagtgcg gctccagggc aatgcagccc caacctaaag 360
atntagaggc ctcccgtttc gctggccccc agagccgncc accgcgactg cacttcccca 420
ncgataaaag gtggtttcca an 442

```

```

<210> 22
<211> 413
<212> DNA
<213> Homo sapiens

```

```

>>>
<400> 22
tacagagaat ataaaaatac attcacttta ttttagaaaa atgaagactc atagagtaag 60
cttatcacia actggcctat taggagtcac agaattcaca ggaaacaatt tctgaagacc 120
aggtgcctgc tgccacctct ccaagcaggc cagagtccag tagagaatgc gattcaggaa 180
gatggctcct cagagggcag ggaggttagc tacggaggcc gctcacgtgg aaatgtccag 240
tgaaccaatg ccaaggaaga agataaaatt ctctggggct gaccacaaca gtgggggtgg 300
ataaagacaa accacttgcc tgtacttctc atcttctatt tgttcatttc actgctggaa 360
ggtgacctct tttcccttaa tcttctttca acccagagag ttttaagtctt ctc 413

```

```

<210> 23
<211> 388
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

>>>
<400> 23
aagattatac gaangattta ttgatactgg ttaacatcca ttatatacag gtagaaactt 60
tcaaaattgt acaagaacc attagcata ttgataaaga cagttttaca gacaaaacaa 120
ctggaaaata gttttaacat acacaatata taattatgaa aaaaatgtag aacacatatt 180
gttctaccag ataaatccca aggttattaa aagtctgcta tgcagacctt taagttgaaa 240
aatgtgttca atggagttac atggtttttag aaaattaagt ataatgttaa aattaagctt 300
ttttttctca ttgcaatttg ggagaggaac tgagacaact tttttacccc aaatctatac 360
agtttgaaaa ataatttata tgtctagc 388

```

```

<210> 24
<211> 415
<212> DNA
<213> Homo sapiens

```

```

>>>
<400> 24
ttcttgcttt ctttaaactt ttatttataa gtccatgcta ataatgtgtt tacattttta 60
cagttacatt atgatagaaa ctggttgatt ttttaaatat ctaaaacaat ggcccactga 120
agaaaggaac aattaactct ttaattaatt ccttaggata aataccaga aatttaacag 180
ctagggcaga cttctaatac aataccgaaa gtccttccaa aaaccaagtg gttgccaact 240
tatgtccctt agcattataa cattcttgag ccaatagtgt aaaaatacgc tgacaatttt 300
ataggcaaac attactcaag gtatcttact ttccacttat tactaaagg aattaacccc 360
taaatagatg ctctcaaca gtgggactac atcctggtta acctatcata agttg 415

```

```

<210> 25
<211> 637
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```
<400> 25
gaattgtgaa gctgtttatc aaatgtttta gagaatttac acaagaatgt tttgacccca 60
caaaaaataa tgtgcctaag ctttaaaca aattcacatt ttatttagat tgaaataaac 120
tatacaaaat tgatttttctt caccaaaaat aacagcaata ttttccatat ttttctagat 180
aaaccacaac acttattttg taggttttcc aggttttgct tataaatcaa gatgaggcag 240
tatataagag tcatggaaaa agacagagaa aaaaaacaga caaatcagtt gtcagtatcc 300
atggcctctg attctgtctc aaccatgaaa cagaagtgtt caacatatac ctgctaaaaa 360
gcttaggaag atgtaggctc cacaaaggaa tgtaaacagc aacgagatgt ggaacaacag 420
caggcttttc cattcaaact ttgtcatttg tttcctttta gttcaagaaa gaccaaactt 480
acactggaaa tcctgtttg ggtgagctca caagcctttt ctccgggtaa tttcctgtaa 540
ctgtccagggt atagatttta accatacctt aaaactccct attagtcaag gnccaattgt 600
gggcttcncc tacacatttt ataatggta tccctcc 637
```

```
<210> 26
<211> 261
<212> DNA
<213> Homo sapiens
```

```
<400> 26
gagggaaaga caaaacgtat ttattccagg ccaggcttta aaatgcacac tgcacgggttc 60
cctgttggtta tcagcaccag taaggaaaga acgtgcctta acggcagccc caccagagc 120
ctgctgctg gctgctgtga ggctcccat gaatccacgc agtcttcttc ctactgggtg 180
cagttggtga ggttttctac cctcacagca aagggatcct taactataaa ttcacgggtat 240
gcagagaaga ggacagaatc t 261
```

```
<210> 27
<211> 445
<212> DNA
<213> Homo sapiens
```

```
<400> 27
tttttttatt gttttatagt tttatttttt ttaaatagaca gttacaagtg cttttccctt 60
gatgggcaat gacgtaacta ttttcagtta ttagtaatgc cttaaaaagt aacagcattt 120
tgtctaaact gaacttatat aattgcacaa aagtcatgga aagcattaag aaatgctggt 180
aaagattgaa gttttctcag attcttgccg aattccaaga agccttgatt ccagtgggtc 240
ctctgattca aacaataatg atgctcaaac tcagtgcacac acaggtagag aacagcagca 300
caaccaggag aaccatgtg gtttgtaaca gtgaaattct gctctactgt taaggtttaa 360
tgatgcattc attcatcttt tcattaggag cataaaaaac acctcaaatt atattttctc 420
aggcttaaaa cttgttttga gctat 445
```

```
<210> 28
<211> 444
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 28
tacaaaaaac aattgttatt tgtgtacttt taaaacctca cagtaatatt ttcacactac 60
cttcttggtt gaaagttcac actcggaatt ccagagcagt ccattggccag gccactggn 120
tccccttgct ctctccttggt ctttggtaac cactggcccc agggactcag cctgctttcc 180
tatccatccc ctcatgagct gtcacatgac aggttacccc ttctgtttct tctaccacta 240
actccatgtc tgactgcaag tgaaaggaac agaagcccaa accttggggt tttaaggagt 300
ttattgctaa tctgtaaaac agaaagagac aggagataag catgacaaaa tatagggaag 360
aaatgacttt tgccataaact tccaaactgt gtacaattga agcctccgct ttatagctct 420
tagcacacct ctcaaataag aagg 444
```

```
<210> 29
<211> 451
<212> DNA
```



<213> Homo sapiens  
 <400> 29  
 ttcatatttc aagtgttttt attctgagca gtaggtacaa aaaataatga catagtgtgtg 60  
 tctaattctg tatagttcag caccctccac aggctgtcaa tctctgattt gatctacttt 120  
 taccagattt aacagatcct tgaatttact ttactgtata tacttccttc ttgctcacat 180  
 tgggaatcaa actaatgctg gaaacatgca tcttcagact tcattgagga attccagatt 240  
 gagacacgct gggatgtgga ttgagtccat ggtagagaa gatggattaa atggaaacaa 300  
 aacaggaaac atgtgcttgg catctaatag cagttgctga gggtcattcc gctctttag 360  
 ttgtgcctgg attgttcgta taaaggccac tgttaccctg tcttcaaatt cattcagggg 420  
 agtataaagg tttaaaattt tgacaatctg c 451

<210> 30  
 <211> 466  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 30  
 gagcacaag gtccacttta cttacatgaa ggaacataaa ggcattgagaa acagtcattt 60  
 caataaatgc aagacatgag cataaaagag gttctctgcc tttccagcgt tggtattaca 120  
 gagagaaacc tacaattatt ttgttaaaca aaattcaagg ctccaggact catctctgga 180  
 gctgatattt cttaaatact attatagtag gaaagggaga ggagaaaatt cccacccac 240  
 tcccccgatt tggcccgtgt agcttccctt tgaggggtgtg tgacttgcca tctgcaaaaag 300  
 tcatggccaa aacaggaact aacaggccaa actaccatca atctagtctt ctacagcacc 360  
 ctaacagagt gccaggggtcc tctgtcncct ccgcacctga ggncaaagtt ccaggaagtt 420  
 tactgccggt gttaggaggt gagctcaagt tcagtgtctg ncttct 466

<210> 31  
 <211> 418  
 <212> DNA  
 <213> Homo sapiens

<400> 31  
 gtgggttttaa tctgtgtttt gagatttttt tcaaattgaa agatattaca gatagaaaca 60  
 catcattcta ggtttcaaaa tcaccaaagt cagtgagaag aatgtacatt catttaaatg 120  
 taatcatttg taaataaaga aatcttgaaa aggctgaaca gttcaatcaa attgaagaat 180  
 tgatctagat ttttcattat tcttttttaa taatgagtaa gtgtagatat agtgtacata 240  
 caagttgaca ttctgattca ttcaaaatag tcacatccct ttgcttggtt ttggatgttc 300  
 cagagactaa aatttaatac cattcataac atagtatttt cagtaaaaag aattatagag 360  
 caatgaaaaa tcagaagatg gctcagagag ctttataatc tctaaatata cacacatt 418

<210> 32  
 <211> 418  
 <212> DNA  
 <213> Homo sapiens

<400> 32  
 tttttacaat tccataccac caccacattt gttctgtgct tttattttac gaaaaagcta 60  
 atggcaaatac tacattaaac taagttgaat acaaagtctt agtgaagaag gcctgggtgt 120  
 ctgctttaca aaaatggcca gtgtcatatt tgggcttaaa atttcaagaa gggcacttca 180  
 aatggctttg catttgcatg tttcagtgtc agagcgtagg aatagaccct ggcgtccact 240  
 gtgagatgtt cttcagctac cagagcatca agtctctgca gcaggtcatt cttgggtaaa 300  
 gaaatgactt ccacaaatc tccatccctt ggctttggct tcggccttgc gttttcggca 360  
 tcatctccgt taatggtgac tgtcacgatg tgtatagtag agtttgacaa gcctgggt 418

<210> 33  
 <211> 446  
 <212> DNA  
 <213> Homo sapiens

```
<400> 33
tctgaaaatc agccttttaa tctagttgaa cccaacgagt ggggaaagaa ctaaaacatt 60
tttttccctt cagattttga ttataagaat aacgggtcag aggtgtctct tccataggaa 120
actgacatcc cctatgtcct cagagttgtt tttttttttt tttcttcaaa aaaatgcata 180
aaagaatttc aactcatgtg catgccacac atttccatcc ccaccccacc ctgccccacc 240
ctctacaggc acacatattc acacaccaa gggactcctt cctgtaactg gggaacagaa 300
tgtaaaaaaa tccatccaag tggccaccga taccagaaat aaccaaatgc atttacactc 360
acaacatcag tcaactcaca tgcacaagga gaagcgtctc caatcggagc ttagagccaa 420
aaattacaaa tggcagagac ttgagc 446
```

```
<210> 34
<211> 581
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 34
ttttaagtcc tcacaacagt gattttatta aattagttgc tttataaaac attgcagatg 60
tcataattgt taacataaca atttaccaaa ctgtagttaa ctggtgcagt ttgctgagca 120
tgttttataa aggaaaggaa aggaaatgcc aaaaccctgg taaagtgtgt ccattgcagc 180
ctaagagaac aaagatttgt ttctcagaca cttaaatacag gcaaataaaa ataagtttcc 240
ctccccacc tgaagcagtt catcagtaga aatagcctga taaataacta gacagtcttt 300
gcactcgaga gattccacaa catgtaatgc aataatggaa aggtttacct tctttagctt 360
caaagttgga ggggttttgt cattttaatt ttatatcaa ctagtgcttt tcagccgagc 420
tatcttcact ctgagataag cagtcttctt ccacaatgga atttttnata tccccatggc 480
ccatttttaa gaccaagcca attttaatac naggtgcccc ccacatggcc ctggctgcaa 540
acngcttttc ctggaccagn tttgaagtag ttccaggngg g 581
```

```
<210> 35
<211> 465
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 35
tttttttttt tttttttcta aatgaagtgc ttttaatttt cagaccaaac atttttaata 60
taaaaacatt ttgataatat acaaacagca atcacacag catccacatg gcagcaaggg 120
gaccagggca cagagnnggg gagcgggctg gggaggagca gttttcaggg tcccagttgc 180
ttccttggtc tgaaatcacc ctggctcctag cagaggacag gttaaggctg ccagaggang 240
ngggtccctg acctgggccc ggagacagac tgcccaggca ggccctctga taccatcttc 300
caaccatggc agcctccagc aaaagccaga tccatttagg agataacagg aaggtggctg 360
tgattgacag gaaaggcaac atgggttcctc agcatcctgc tgatcacacc tctgggaggg 420
gctgctggat tgaagaggac ctaagaatct tcctgggagc aggac 465
```

```
<210> 36
<211> 382
<212> DNA
<213> Homo sapiens
```

```
<400> 36
tacatgtata ttattttattg ttgattctgt acaccaaagt gattacaagc agcatccagc 60
agaagacaga ccccccaacc ctgccacca gggctgacac tctacaaaac cctgagggcc 120
tagaaatctg taaatgcac gccaagcact ggggctgatt tgcagtaatt ctctaagcaa 180
ggcaaacatg atctagcttt gaaggcagca tgaaggcagc ggggttggtga gaacaatctc 240
tccttaagag aagaagatac ctggggcgga aggagttttc cccggaagtg gcttgagcc 300
caccctctct gaaccacagc catggcttcc ttcccaaggc cactgctggc ttcccaacaa 360
```

cgagattca gttctgactg tg 382

<210> 37  
<211> 323  
<212> DNA  
<213> Homo sapiens

<400> 37  
cttcacacag taagatcagt gtttgctaag tgttatcagc caatgtacag cccccccaa 60  
caccgtcaaa cggtgttcca gttattttac tttaaaagag gatttaaata atgcgacgtg 120  
ctttccactg agccactaag taggtgtgga cgcacaacct tcaacactaa ttgcccttta 180  
ctaagccgac cagggctaga cactaagcca gaaaagcctt ttccagagtt tcctcttccg 240  
cacaaaagct ttcctttctgt cactccaccc aaccaccag ctctctcctt aagtgtttga 300  
aagataattc tataagtctc etc 323

<210> 38  
<211> 416  
<212> DNA  
<213> Homo sapiens

<400> 38  
tttttttttt caagtatatt tactctttat tgcattcctt catttgcat aaacaatatt 60  
ttttcaatac agttttggac aaaacacaaa gacattaagc tcatttaaca agagacataa 120  
gttaacacaa tgtgtgctgc tttcatgagg aggaaagagg caagatctta gaggaatcca 180  
ggatactggc caccaggaat cacaggatct cacaatacaa tccacttctt taaaagccac 240  
aaaataagct agggaagaaa acccaaaaaca aagaagatat gacatccaag tctccaccaa 300  
aagtatacaa atggcaagat ttggagatga tctgctttct cacatgagga caaataacag 360  
aggagccaca cccaagtgcc actgtggcca caagcctcat ggggtggcgtg tgaggt 416

<210> 39  
<211> 427  
<212> DNA  
<213> Homo sapiens

<400> 39  
tcttatttta aatattttta tttctaaaaa gcttaaatac tattaaaatt taaacaattt 60  
cattgtacag tacttgacaa tacattttcaa caaactgaaa ggcaaaccag taaatcagtt 120  
ttgcttactt tctaagctta ataatgtaca gactcttgct cttcaagaag atgcaaaaaat 180  
cagcaacagt acaagtgaaa tatttaataa ggaatctgaa acaaaacgaa ttcaatctga 240  
tcaaattcac aattaattga agttttcatt ttattcaatt gtgaataaaa tagcagacac 300  
tgtttcatcc aataagccaa tgatatcagc ttaggagaaa tgatctgcct ggcttgtgca 360  
agacaagaac agttaccttc tgctgaaagg atgtgagttt tcaaatttgg ttttcatgtc 420  
atagttt 427

<210> 40  
<211> 275  
<212> DNA  
<213> Homo sapiens

<400> 40  
ttcaaagtgc acatttaatg ttttcaccac tgtacttcaa atctacattg tacaaagtga 60  
ccagaaagtg tgccacggta attgaccaac ctctgagatt gtacctttca caccagtgtc 120  
ttcttgggct cttttgatac taaacacggt tctcattcaa gtgaattgaa atgcttcagt 180  
tggtttgatt ctgaggagcc tcataaaaaa aaaacaaaga tattgcacca tctttgttta 240  
gtaattcaat gtttgtttct ttcacagcaa ataatt 275

<210> 41  
<211> 366  
<212> DNA  
<213> Homo sapiens

<400> 41  
ttttttcata atgattttatt tagataacaa acattaatgt gaaacatata ggctattggc 60  
aaccactatt ctaaaattat gtaagtacaa ataaacatac tgaaatgtgt gcaattctaa 120  
gttttttaaac cagaagattt ctacactaac acacatttat attaatgaca cataaaaaaa 180

```
ataaaaaactt tattacaaaa ataagttaca ctgcctcca gttacagta taaaacaatt 240
ttatttgcag gaatgcaaaa tgattgtttg ccatgagcat tttgaacata tgacatgtcc 300
gattttcttg ttaaatttgc atttactggg gaactggtgt gtataaaacc ttaattaagt 360
ataagc 366
```

```
<210> 42
<211> 272
<212> DNA
<213> Homo sapiens
```

```
<400> 42
acatagaaaa aaatgtatat ttatatccct aaaaggcaat acagaattta taaccaaacc 60
atgtgtgaga actgttaaata tacattccaa ataccagcag tggaacaaac agaaacacag 120
agatgtttta aaaaacatgc agcacgttac aaagaggccg tgtaataatt cacaactttt 180
gttagcagcc gtttaagttt attagtagta agcagcaatg gtttaagcaa ttttaaatca 240
tgatatgata gttacatata tgcattttac tg 272
```

```
<210> 43
<211> 337
<212> DNA
<213> Homo sapiens
```

```
<400> 43
tttttttaaa attaataaac caacacccat tctattttaag gttccaaaag gaagtagctg 60
gacccggctg cagacacact cccaccttgc ttctgtccca aaagtacatc ccctacgtgt 120
ggttctcctt aaacaatttt aatgtctggg ttggggaagc aggtagagcg cgtagaggca 180
gctgctagag gctggttgct gactccaggg cgcgttccag gaaatatcgg tgggaagaac 240
ggggacgggc ttgggaccct tcattgagga agtaggatgt gatcttcctg agtccctcct 300
gattctcgga tgctgagtcc tcccatataa catcttc 337
```

```
<210> 44
<211> 423
<212> DNA
<213> Homo sapiens
```

```
<400> 44
acattcagat gtttttactg cttgattaca tttcttggtt tcacatttaa gacttcaatt 60
tataagaagt aaattatatg tttttcaatt taagaacaga tgaatgcagg aacattatga 120
acattatgtt ggggaaaaca aagagacccc aaattaaaaa acaaaacaaa tcaaaacata 180
actagtgtg cagctctgga gaacttaata aaaagtaaata caacttttaa atcagttaac 240
tttggcgtct gaatacaaaa tgtttatcag tattacctat gtagatgact attaagggat 300
gtgcagcatt ttcaaaatcc ctgtgtgtcc tttgtatgca tgtttggtac actgagttct 360
gtggtcactg tcctctcttc agcagggttt ttttacccca gtacgattgt ccatctctgt 420
att 423
```

```
<210> 45
<211> 408
<212> DNA
<213> Homo sapiens
```

```
<400> 45
gattgtattc aaatttttat tttttgaaca aaaattttaag acaatgattt taaataataa 60
aacatggtat atattctaga cactggtttt ttttaaagat ttattaaatt tagactccta 120
tagttctgtt gtgatgcttt cttcaacatt tatattatct cttaccattt tatcatcact 180
ccaagcttgc taaacaaaaga atctctctgt taagtgaagt tttacattaa ggaaatactc 240
cactagcaca ctgaacaaac ctacagaact gtccatagttt atatttaca aacacaagaa 300
gtctgtccag ccattttggt tttgttggtta cactgtccat actgagatca gcagagagct 360
aagtaataca caagattacg cttcggcagc gcaaaggatg gcatcaac 408
```

```
<210> 46
<211> 369
<212> DNA
<213> Homo sapiens
```

<400> 46  
gcaggtaatc ttattttccct aagggtagtt tcatgatgac agtgtcaaaa aattactgtg 60  
gataaagaaa aaattgtctc aatgaaatag aatttttcac tgaacacaga aaccatctca 120  
atagttgctg ctccctgggt tccaggccac gcaacagaca tcaaaccagg aagccaaact 180  
ttcatggacc tgtgttaaga aaaacacaca tacatgggca tactactttt tccagaaaaa 240  
cggaattagg cagagaagga agtgtgggtg tacaactgat ccacaagcta ttgggaaatc 300  
aatagctaaa aaatgtcaac accctggcct ccttttatca ggaactccag gaggtgaag 360  
gaatgtgag 369

<210> 47  
<211> 362  
<212> DNA  
<213> Homo sapiens

<400> 47  
gttaccaatc tgaagtggga gcggccgcca tttttttttt tttttttttt tttttaaagt 60  
ccatagattt taatgaaatt tctattcctg tctctgagcg gctgctgtgc tttgtctggg 120  
tccccaggga gacaagagtc aggctggaat gagacctctg tctgccaggc ctttgtggag 180  
gcctgggagg agaaaggcca aaggctttga tgcttgggac cgatgcccg cactcagct 240  
ccagacacca gggatctggc aaggggggtg ggcaagggcc agacagacca acagccttgg 300  
ggtcctggcg agactcgcca agaccagatc tgaagctggc tgggccaag cagctgaggc 360  
gg 362

<210> 48  
<211> 394  
<212> DNA  
<213> Homo sapiens

<400> 48  
caagatagag ggtttttatt gaaagtaggt tatgcaaact tggcttgaaa ggtacttatt 60  
attttaaaaa ttatgcctaa tgatgcata aatacaaaaa catataatac atcaatagtc 120  
aaccctttcc ccataaaggc aaagtactg agaaatgttt atttttcctc tggtaatggc 180  
taatccaggc aataatatga aagcaaatgg aaaattcaca ttgcttcttt cattgcttct 240  
gtcccttaaa cctgttaatc tttcagaacc acattactga ggtgctggcc tgtgcatgga 300  
aaccctaatga tatccaggtc ttacagggtc agggccagat ggacagacag gccttggctc 360  
tccacgctgg ccaccatgtc ttogatggca ttcc 394

<210> 49  
<211> 385  
<212> DNA  
<213> Homo sapiens

<400> 49  
tgtgatgcag catcagggtc ttttacttca gtgaatgaaa aataatggct acaactcaaa 60  
tgaatgggaa tttaatatga atatatgcac cttaccagag atgtttgcta ccaatgatat 120  
cttagcaatt ccataatcct taaaaagtca gtataattgt tgtaaaaaaa tcaactgtgg 180  
ttctgaatac ccattcacag ttgacctcaa caatgtatct gatgtaggag actgagtatc 240  
cgtgacaggc agaagcatgt gatggtcctc agtcccaagt ggaagagcta atggtaaagt 300  
catatcagaa ggcttcacat ccatagtttc tgataaagga cttttttgta tggaatcctg 360  
ttcactcaaa gtatgatcct ctgca 385

<210> 50  
<211> 500  
<212> DNA  
<213> Homo sapiens

<400> 50  
ttttggaata ccattgtgtt tattgatcaa acctggcttc gagtgtgaca gagccattct 60  
tggttctcct tggaagtaac aagaacactg ggtaacatgt gaagtgcag gagactcacc 120  
tgaatccac caagtagta gctggacca gtagcctagc ttattgtctt ggcagtgcc 180  
ctaccagta ccattagacc tggctttgtc ccttacatag gacagactgg gcttctccac 240  
tcccgccagg ctggccctac ctccacctgt ccttggaagc tagtatgtaa gtaagggagg 300

```

agtcacaaag tttatagatg ggtaggctga ggattgagggc aggagggggac ttaatggctg 360
agtcacctggc ttgttccaga gccctggccc ttgagcccct ggactgggtca gtgcatggac 420
actctccctc cccagctcgg gcggaagact tttcctgact tagctgctcc atacacacaa 480
tctataaata tgtatttgc 500

```

```

<210> 51
<211> 313
<212> DNA
<213> Homo sapiens

```

```

<400> 51
actgaaaaac tcagacttta ttcagattaa gttcctctac aaaaagtagg gttctgtccc 60
atgtgtctct gacacattta caaaatacca gttttttaa attttggta aattatgagt 120
ggttgattta aaaacttttc caagaagaag aaaagcatgg agtagtaatt taaagaactc 180
aataaaaact tctatttttt attttaaaat aatatacaca gtgttatttt cttcaagacc 240
gtcctgtgga tgtgaaatcc gtcttcgcgt catgtatctc ccatatccag cagttcagcc 300
atccagctac ctt 313

```

```

<210> 52
<211> 207
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> n=a,t,g or c

```

```

<400> 52
gtggaagaat acagaaatat gtttaatact tagtatcaaa ctaaaaagta atataaaatt 60
acaaaacttc ttttttttca tgcacaggct ttttctggta aggaccgctg ggattgaaca 120
gaagcttccg gtaaataagg gcccgcgcgg caagacagca tactgctgtc acaagtgcaa 180
acccccctcc accaactgtc aatgttg 207

```

```

<210> 53
<211> 221
<212> DNA
<213> Homo sapiens

```

```

<400> 53
aaagcgctga tggaattacc ctgctaggga accagcatac atatgtcatt cctttgtaca 60
gtatttttac aagtatttga ttttgtttac cctaatttat ccaactcagg aataaaaagg 120
aatctcagat ctatgagaag gacctccaat ttctcattct cagcttcaaa acaaattagt 180
cagtttaaca ttagtcaaga cacagggtgc tgtgaaataa g 221

```

```

<210> 54
<211> 228
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> n=a,t,g or c

```

```

<400> 54
gaaaagaaat ctatttttaa tggctttggc tttatagcac gaagcaggca cccnctcgtt 60
aaaggcacac agtcctctct tctgccccac ctcttggttc cttaaaatcg agtcctgagt 120
tccagagggg tcaactgcaag gcagcaggga agggagaggg tcacagtttc actctgtgag 180
tatcagacac ccagggccaa ggcccagact ggcctctgaa gctaaagg 228

```

```

<210> 55
<211> 536
<212> DNA
<213> Homo sapiens

```

```

<400> 55
ttacagggtat cttaacttta tttagctctc tgtagaatta acatctttgc aaatatatta 60
ttcaaccaag catttgccat aaagataagc atcaactttc ccattggaca agtgatagtg 120
ttcaagctac ttgacttgtg aaaaacaaaa aaccaccatg acttctcaac aaatacattt 180

```

taaaatgaaa	tatgctcagg	ctgataaaca	aacaagatat	taaaatggag	actgacattg	240
aactacatag	tcaacttgaa	aaacacaaga	agacaatgct	cctataaaat	gatatattat	300
tggttttaca	aagacatact	ggttttatgtt	tacaactatg	ttttatttttc	aaatggtaaa	360
ggaaaggctt	catgttgcta	tttgaaagta	cttctcaact	agccgggcat	ggtggcataa	420
ttcctgaagt	aggaggatca	ttcccttgag	gccaggaggt	ccaggctgca	gtgagctgtg	480
attgtgccct	gaccatagct	tgggtgacag	agtgaactct	gtctcaaaaa	aaaaaa	536

<210> 56  
 <211> 535  
 <212> DNA  
 <213> Homo sapiens

<400> 56	ttttgaaaaa	agatcacaga	ataattttat	ttataatgaa	tgttattctc	tccagacttc	60
	aactcatcag	tttactctta	taacagagaa	tcaattttaa	taacaccatc	aaaatggaat	120
	gaatataaaa	caatctgcta	ttacgtatcg	atttctttga	taggatataa	ttatagccaa	180
	ttagtcttgc	aacacatggg	ccatttccag	tgaaattctc	aataaaactgc	taggaattac	240
	agtccttcat	attgacattt	tattgtaaag	tctgctagac	gtggctctct	tgattgcttt	300
	ggaagtcagt	caaacaaatg	ctctgaagaa	aaggctgaca	ccgcaaaaaca	acttcatatg	360
	aaatctgtcc	acaaatggga	tagcaatgcc	tccagatcct	ttggttttta	tcagtccctt	420
	tggaaagtta	attaattgat	gattgttccc	ttaaaattct	attttaaata	ggacaatcac	480
	tgtctataca	gtctgtgcca	gcgtccttga	ctttcttgc	tccactgatt	tgttt	535

<210> 57  
 <211> 378  
 <212> DNA  
 <213> Homo sapiens

<400> 57	gagagcacia	ctccaaatca	tcttttatta	atataaaaag	ggcatattta	gcaaaagaca	60
	cacagataaa	agagtcacta	tggtctcagg	cacaaggcag	ggaggtgcc	ggcctgtgcc	120
	cctgctgggg	gagaaggagg	ctcgggacaa	agtgggagaa	gtgctgggaa	gggctgagcg	180
	gtagggggcca	caaaagttcc	ggtgggcaac	actgtcggca	ggcatgggt	gggactcatg	240
	gggacctcgc	tgctaactct	tgttgtgggg	gggtgtcctt	agtgtgccca	cctggagggc	300
	cactccttgg	ttcctggagg	ggaccaccca	agggacacag	gacaggaagc	ccaggatggt	360
	tagtgcaact	cgggatga					378

<210> 58  
 <211> 225  
 <212> DNA  
 <213> Homo sapiens

<400> 58	ctccaaggca	tttattaact	cctgagtgtc	acggggccag	gggaaggctg	gagcaaaacc	60
	aagtctctgg	gggcgggggg	cctctctgga	tccccactac	tcagctcccc	gggctcccca	120
	tgcagcccta	gagacgggag	aagtccagtg	tgctgttcaa	cttccctcca	agtccccaag	180
	aaagtgggag	gcagtgttcc	actccagtg	cgtccagacg	aacaa		225

<210> 59  
 <211> 357  
 <212> DNA  
 <213> Homo sapiens

<400> 59	tttctttaac	cgtgtggtct	ttatttcagt	gccagtgtta	cagatacaac	acaaatgttc	60
	cagttagaag	gaattcaaac	ggaatgccaa	ggccaagcc	aggctcaaga	aataaaaagg	120
	gagggttgga	gtaatagata	agatgactcc	aatactcact	cttcctaagg	gcaaaggtag	180
	ttttgataca	gagtctgata	tttgaaactg	gtgaactcct	cttcaccca	ttaccatagt	240
	tcaaacaggc	aagttatggg	cttaggagca	ctttaaaatt	tgtggtggga	atagggtcat	300
	taataactat	gaatatatct	tttagaaggt	gaccattttg	cactttaaag	ggaatca	357

<210> 60  
 <211> 378

<212> DNA  
<213> Homo sapiens

<400> 60  
aacataaaaa aataaattta ttttgagtct gaaatactga agaacaagca tacagataaa 60  
tagtacaaag aacaaaaatt agaacatgag taatgactta agacacaggc atttttctag 120  
ctattgcata cagacacatt tttacacaca aacatatttt ttaaagacat ctctccaaca 180  
ttctcaaaag gcaagagctg tatttgtgac atttgaata aatgcaacag cttttgaaac 240  
atccagtttc tttcctaagt catttgatta aaattcacac aagtgatgat tacctattcc 300  
attttctgaa aatacgacat acagtcattg ttcgatcaac aattgaccac atatgacaga 360  
gacccataaa gattataa 378

<210> 61  
<211> 425  
<212> DNA  
<213> Homo sapiens

<400> 61  
ctgttatgta tctgtgattt tatttcttct ttgggtatag ggttgagggg aaataagttt 60  
tgagtgagaa ataaacgttt tagctgaaat tgtatcccag aagtttgaaa taagtagtag 120  
aagaggggga aaacaaggga gaagtgggtg ggaagacttg gtagattggg gccttaagta 180  
accacctcct ttcctctctc gcccctatga cttcctgctc caagttacag aagggaagga 240  
aaccattttta ctctttttat tctgctcatt aatgatctga aagaagaaga tggggaaaag 300  
gggattccac cacaaggctc caaagaacca agagtgcaaa tcagtccatt tcactttcac 360  
tgtctgagat aggggtctcta agaccaggat acaagggtgg aatgtagcta tatggactcg 420  
atttg 425

<210> 62  
<211> 418  
<212> DNA  
<213> Homo sapiens

<400> 62  
gaaatgtaag tatacagatt ttaatttatt ttttaagaata attgtatatt ttaaaaacag 60  
gacacgtact gtatgagtaa acagcgtggc taacaccaag tccacactgg taagcttttg 120  
agaaccattt acactatggt gacagtagta ctgctgcagg cagacagcgg aagaataaat 180  
aatagtgtct caagaagagt agtgattgag aggataggta aagagggcgc ctcatcgtgg 240  
aagctagagc aggaacacct cccagtagt gacatgtgca aagttccaga tctccacgac 300  
aaagacagct caaccactg gaacaaacag actcccaatg tggctggcaa ctgcgggggt 360  
agaagaactc aggcaaagta ggcacaggaa tgggggagat gagagccaag ggacaaac 418

<210> 63  
<211> 286  
<212> DNA  
<213> Homo sapiens

<400> 63  
caccactaaa aaaggctttt attacaaaat gaattctaataaaaaccaggc ctggtcttca 60  
acccctcccg ctgggtagag gccctagggg gggctagggg aggggagatg ggggtggggg 120  
gccctgaaag aacagagcag gctgccctcc tctcatcagt ctgagctgct gccctccttt 180  
tataaagggc tagaagagct cttccaaagc cccttgagag agtccccatc cttccaacca 240  
ggatccttcc aaccactgct gtcacaggac cttagcaatg ccgcat 286

<210> 64  
<211> 240  
<212> DNA  
<213> Homo sapiens

<400> 64  
tactgctttc ttgattttat ttcaaaagta cacaagggtca caaaactaga gcaagttgtt 60  
tttcttaaca aattttgttc ttacaaattt caaaatctgc accattggat atataagcca 120  
gaaatcgtac atacaaaatc tgaaactgac actgtcagtt ctatactttg cacacgtgaa 180  
gtgtcagaat attttcttca gtagtacagg tgtattttatc actaaaattc acaattaggg 240



<210> 65  
<211> 434  
<212> DNA  
<213> Homo sapiens

<400> 65  
tttggttaaag aatgctttat taatacaaat acacacaaaac tctgaagcac taagaaatTTT 60  
aaatatctat gtcacagcaa acagggtggca attcaacatc cagggtcgac agaattgcttg 120  
aaggagactg caacagattg gattcccatg gtggagaggg catcttcaca ggtgaagggg 180  
ggcccagctg aaacagcttt tcaagctctc tctcctcgtc aaggatcatg agaggcactc 240  
cactcaaggg gaggtgcgca atctgggtgct cttcaggcag gtcaaaaactc tcaaagtcta 300  
gaggattgaa gggaaagaat ttttctatTTT ctggataggc atcatctgag gcaggaacag 360  
agcttttttg tttaacagtc ttctcagtca tctttttggc agaaaagctt ggctgttttt 420  
gtttgagggg tccc 434

<210> 66  
<211> 337  
<212> DNA  
<213> Homo sapiens

<400> 66  
ttttaaaaaa gtaatactgt ttattttaact tcaaaaacat ttcagcattc taaacataca 60  
aaaaaataac agaacgttgc gaatcgtggt taagtacagg aggttcttga actttcattg 120  
atgcagtgc tctttgcttt gctgacaatg aagagttcta tagtttgttt aaaaacaaac 180  
agtttaaaaa ctaccgcact taaaaaaaaa aaatattctc atgccagctg accccccttt 240  
gtccacagct aagatggcag cagaatgcta tgtcactata tacagaaaca agacaacctg 300  
aagctaaatg gatgccccct gcagagtcaa caggtcc 337

<210> 67  
<211> 374  
<212> DNA  
<213> Homo sapiens

<400> 67  
tttttacaat taagctatTTT ttattttaaca tgtaatagtc ataaagcaac tccatatatt 60  
tagttttctg atatcctaatt gtatttccac aaacctttta agtctacaat tttatatagt 120  
tttccatcag ggaggcaaga tatatataat ttctttttat atttaactaa aggtttttaag 180  
agggcttagt ctctaaatca gtaacaatta gtcataacac catacaaaca catttaaata 240  
ttcaggaaag aggttggttaa gattattgct tagtcttata aaatgggtgaa ttttaaccaa 300  
attgatacct ctgtaatctt atttatgttt cctataacat catactgctt ggcaagtaat 360  
gtaagttttg acat 374

<210> 68  
<211> 277  
<212> DNA  
<213> Homo sapiens

<400> 68  
ttttggtaat taacataatt tattacgcaa aaaatgagaa aatatacagc aggagggatg 60  
aggagtacac ataggaaatt tctgtgattt tcttcatttt gatcgtattg ctttcttgct 120  
ttcaggaggg aagatttcga cttcaaaagt aacaaaatat ttaagaagag aattcacatc 180  
tttctgttct aactggtatt cttgcattta ttttctcagc agtccagggt tctgggaaaa 240  
gcttatgatt attgagaagt gtcaatgctt ctacaat 277

<210> 69  
<211> 463  
<212> DNA  
<213> Homo sapiens

<400> 69  
gagttctcat tagactgggt tctaggcggg ctgctccagc tccataagga agcactcgat 60  
gtcgtcatag aggctgttgg cgctggacag gcagaggctg aggctgctgc tatccaggga 120  
agacacaccc tcacgctgcg tgccctctag gtgcactcgg cacagccagg gttccagctt 180  
caccaggacc aggtctttct ccttgggcct cccagctgac aggtcctgcc cgaagcccag 240  
gtagatggta tagcgtgggg agccacggcg ctgccgtccc ggaattccac cagctctcgg 300

aagaagactc tgaagtcgaa gatgggggtg tcacagttcc gaggcagcag gcaggctggg 360  
gtggaggggc tggcggacta ggggggccgc ccacctcca gtacaccttg cacttgccca 420  
tgcgccgggg gcatagttgt ggccccctca gctccaggtg caa 463

<210> 70  
<211> 413  
<212> DNA  
<213> Homo sapiens

<400> 70  
tttttttttt ttttttttcc aggacgctca cacttagttt ttattagcca cagtttccca 60  
cagtttttcta cctcctagga aatacacagc tcaccaaggg caccagtc caattctgtc 120  
ctgcttgcat ggctgacact gttgctcacc gagggtgaca ggatctgcaa agtcacccag 180  
ggcctggttt cctcaggtac agagaacccc aaagaaagaa gagccagaac ttagagcccc 240  
tttcttctcc atatgggata ggacacccaa gacaaatgac ccatgcatca tgaaacagag 300  
gcagggccta agctgcccac gaggcctggg cacttgaggt tcctgccaac agccaggcca 360  
ctgaaccatt gcctgtccac cctcccacag tgggtaatcc ctggcctagt tgt 413

<210> 71  
<211> 404  
<212> DNA  
<213> Homo sapiens

<400> 71  
tttgtttctt tgaattttat ctttatttct ccataagggc aatcagagaa atatgctttc 60  
ctttttaaca agctcatctt taatgtggta gcaaagatgg aagggtgcgag accaaatctt 120  
accaaactag ctattttttac aggccaataa agcaacatgc aatccccctc aacaaattta 180  
aataatcagg caatactaag aatgtatatt ccattaaact aaaataaaca aggttgaaat 240  
gtggtacaga attcactgat gagcctgtga actccacgtg aggatgtcca gtgccttatt 300  
tatctcagta accagagtac ccagcacaca agataaaagt gggattacc taagtggcca 360  
ctatttttatt aataatgcac ataacatatg cttatcatta actc 404

<210> 72  
<211> 404  
<212> DNA  
<213> Homo sapiens

<400> 72  
tttttttgca tcttaagaca aatattcttt tttttctggt aaactgaata tacaattggt 60  
ccctaggcaa ccaacttttg cttataacta caatttaatt tcacgttgac aaaacacagt 120  
gaaaagacaa ctttgtgaag atctaattac aataataaat aaaataattt atacaagggg 180  
ttttttttct tgactttttct ataggggtca tattcattaa aaagcccaaa aggctacctt 240  
tgccttaacc cttctgtagt acaggaatga ttctagattt gtttcctttt gttatagaag 300  
caaataattgt ttttttaaaa tagcctgaga tgagagggtta tattgtaccc caccagctaa 360  
cacactaagt ggatgacaaa ctattctctc ggtaatttat atag 404

<210> 73  
<211> 404  
<212> DNA  
<213> Homo sapiens

<400> 73  
cacctacact gtctctgttc tctcttccag gaactcctaa cattacatat tgattgtcta 60  
tgtctttttt ctttctttat atttttctat ctatttcttt ttgctcttta tctggagaga 120  
ttccctcaac tttattttcc agactgtata ccaaataactt ttagcagtct tattttattt 180  
tcaaagagat cttcttattc tcagtcttct ctttcttttc ttgcttttta agagacaggg 240  
tctcactctg tccccagggc tggagtgcag tggcaccatc atggctcact gaagccttga 300  
actcctgggc tcaagtgatc ttcccacttc agcctcccaa gtagctagga ccacaggcac 360  
atgccaccat gcttgggctaa ttttttaaaa ttattttgta gaga 404

<210> 74  
<211> 193  
<212> DNA

<213> Homo sapiens

<400> 74  
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 gatagtttca tgtctctcta aaggagacag gaaattggag cattgtgggc ctttttaaaa 120  
 gaaaagagga gtaggtaggc acaccaggt gcttctaaaa caaccaagcc caaacctgac 180  
 atgctctcc cca 193

<210> 75  
 <211> 406  
 <212> DNA  
 <213> Homo sapiens

<400> 75  
 agatttttta aaaattttat acaaatagac taactttgat ttaaagtaaa catataaaaa 60  
 ttgagaagaa tattgcttgc aacaatggac ttggaaggag aggaatggat taggcagggg 120  
 tacaaagaaa tggctcctac tcggtagtgc caggcacatg cccagcactc tgcagaactc 180  
 tcacagggac accctctgct gcaccgtgtc cttcagccca caaagtctga ctgattttgt 240  
 aacaacaact tcaggtcagg aaaaaaacia atgcaagaaa atcggaaggc acaagcacc 300  
 atgtgatcta gaattgttctt ggggtgagga ataaggaggg aaagggatac ttttggttca 360  
 gcactacagt caatttcgcc attgttgaag aaaaacggta taaaat 406

<210> 76  
 <211> 224  
 <212> DNA  
 <213> Homo sapiens

<400> 76  
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 tgaatcccaa aacaaaggaa atttgagggg gagaggtgaa ggggtcagct agggtaaagg 120  
 agtgaagaag gctcagatta cccctgccat tctgccaggg cagaaggat cagagtctgc 180  
 cccaactgaa gcaagaagaa aggtggtcag acttcaggaa agac 224

<210> 77  
 <211> 412  
 <212> DNA  
 <213> Homo sapiens

<400> 77  
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 aatatacaaa catcattgat gcacacacat tccagaaatg cagaggtatg ctgctgccac 120  
 ggggtagggg tgcgggaggc ggccctggct catggcgcat gaccgtgcc cagcccgggc 180  
 ctggcaggta gctggccact gataaatgcc actgggatcc taggagaagc tggggaccat 240  
 gcgtgaggta ctgaagggga ccatggtgga tggcatcctg ggcactttgt agcttgtctg 300  
 agggaaaggc ctctgctgcc atagaaaagc tggacacatg tcaccctggg gccctgacat 360  
 cctaaaatgc cccactgact accagtcact aggagaaagg tctccggcta tg 412

<210> 78  
 <211> 408  
 <212> DNA  
 <213> Homo sapiens

<400> 78  
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 caaaaccaca actcagtctg ctttgggtatt gacaaaatcc ctacaactga gatattaaag 120  
 agatacattt atttttagagt tacataaaac cagaatccaa cactacccta ctttctatt 180  
 cctttgtggc tctgaatgca gctttaaaaa aacaaaacia agcaaagcaa agcaaaacia 240  
 aacagctctt tataatgtac aatggcttaa gcaaatoctt ttagtttttt ttctatttaa 300  
 gatttaggac agactactcg tctaaaattc actatttaca gagaaggctc tagggaacag 360  
 gataacttat ttaggtttag ctctcataat acaatatcca taatggct 408

<210> 79  
 <211> 308  
 <212> DNA  
 <213> Homo sapiens

<400> 79  
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 acaaaatatt gactgcatgc ctgcgaaaca ccaaaatatc cgctggaatg ccatagaaat 180  
 aaataacttc tgctataaac acatgaaaac atatcaaact gttatctctt taaacatatt 240  
 gtaataaaaa aaattaccag tacttctaca caataaatat taagaaacca ttgacatagt 300  
 tgaaatgc 308

<210> 80  
 <211> 365  
 <212> DNA  
 <213> Homo sapiens

<400> 80  
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 aaaccagtgt cttattccaa agtctcaact cagctgattg ccaggtgaac atcaccatct 120  
 tactcctctg aataactaga cacaaattac atagcaagtt cgtgtttctg cccacccaag 180  
 acacagccag taatcagtc caaacacaga cacagccaac tccaggggct ccagctttct 240  
 gcccatcttc tctcagcagt tcttcccac tgctaagatg cgccttcctg gtggctctct 300  
 ctcaagggtg gtcaaggctg aacaagacag aaaagcacag tctagggtcca ccatcacctc 360  
 ccact 365

<210> 81  
 <211> 383  
 <212> DNA  
 <213> Homo sapiens

<400> 81  
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 ttaaaaacaa gacgttttaa aaaattacag caaagtttagc aaggcagtga ctaattaagt 120  
 cactaagtgtt aattttatat tcttcacagt catttcataa tcatgtaatg gtaaacata 180  
 ttttcagcca ctttgagat aagttaactt ttgaaaagaa tagaattcta gtagtcgtca 240  
 ttgaatttta taaaagaggt ttaaaacatt aaagtttcca gaaataacac agtaaagaaa 300  
 tatgaaaata aactggaaaa taaaatatac ccacccatcc gaaaaatcta catcatctct 360  
 ttcatttgct cccaatgcct ttc 383

<210> 82  
 <211> 386  
 <212> DNA  
 <213> Homo sapiens

<400> 82  
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 cccctgccct ctaatccagg ctccaggtacc cccagtgagg tctctcaga aggcaactcc 120  
 caagaccagg agtaatgaga gattgggcag agggtaaggg acagcaggga gacggaggaa 180  
 aatgaagaca ccaggggaaag aggagaggcc tgaactggac agctgatgct ttgtcctgcc 240  
 cagcacccat tcgtcccttc ttcaggtaat atcatctgcc accacaacca ccagcaccaa 300  
 ctctcagctc ctgtgggtac atgccaggcc tgtccatttg gtgtattcca tcttctggc 360  
 cacaatgatg acttgaggct ggatac 386

<210> 83  
 <211> 284  
 <212> DNA  
 <213> Homo sapiens

<400> 83  
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 atgacaagaa cacatacaaa tattgaaatt attcattgaa ctataaacac ttagcagagg 120  
 aagggacttt tgatgtattt gaatccacct ccttctgaaa gcaggaatca cttctaaatg 180  
 tctctcatat ctttcttcaa ggagtgggtt tccaggagggt tcccagcctc ctcaaactct 240  
 tcccaagttt gatgcacttc acctcataaa aataatatat atat 284

<210> 84

<211> 355  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 84  
acaattctcc gcagatttta ttaattataa cttttttttt cagacgtcct gccatcttct 60  
cattcagact tttcttagca aaggtagtcc atggcaagta atgaattccc agtaactagg 120  
tctgtaacag aagtaaattc tgtttttatg tttataaaact caaaaagtaa catgaagtgc 180  
aaacaccttt agttccttcc cctcggtaac cttcttttga tgaaccagtg tgcagcaaac 240  
caggatgaag ttggatttgg gtgggatcca cacaggtcat tttcaggcaa gatgagactt 300  
cccaagttcc atgnatagat tcatattatc agttatttta tgcattcatt tctcc 355

<210> 85  
<211> 429  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 85  
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atcctcaatg gtaaaaggct gaaggatttt tctctaaggt taggaacaag gcaaatgcct 120  
gctcttgcca ctctattcag catagtgtct ggagttctag acagagcagt taggcaagga 180  
aaaggaaatc taagggcatc caaattggga aaggaggga aggtaaaatt atctctgttt 240  
ggccaatgga tatggatttt atatggtatg gaataggaaa acccttaaag gattccnccc 300  
agggggccngg ggnccgggtg ggcctcacgg cctttttaat tcccagcac tttgggggga 360  
ggggcccagg gtgggggngg ggtttgcttt gagggncag gggggtttcc aggacttggc 420  
cgggggggg 429

<210> 86  
<211> 331  
<212> DNA  
<213> Homo sapiens

<400> 86  
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aggagcattg gatattggtga gaacgttttg aaccctagct gtcacgtgcc acctgcggga 120  
tctagaccag tgactttctca gaactgccat ttctcatct ggtagacagg atggtaagcc 180  
ctgtcttgct cactccacgt atgggcagtg cagatgaaat gagatcacag aggggaagca 240  
attggcaggc tggaaagtgc tgacaaatgg aaggggttgt gtcaccaccc tcagctgagg 300  
tagtaccaag gtccaagctc ctgcccctcc c 331

<210> 87  
<211> 417  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 87  
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acctgatctt cagaagcact atgagccagt atccatcggc gccactgatg agttccagag 120  
tgaggacagt gtcacagct agaactgacc gtccccacac ttcatctccc tccagggnct 180  
tcctgctgac accaggggct cctcaaaatt actccttcc tccacacatgg gtgacaaggg 240  
ttctcaaaaa gaacacctgg gcagagatgc ccactacagg caatgcttgt ggggtgggcaa 300  
gaagcataaa agaaccccaa tgnccaaca ccaggggaat gggattaang ccagggggtt 360  
accattttgt aaacaaaaac aacttccaaa acccaaccgg ttaaacnggg ggaggtt 417

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<210> 88
<211> 412
<212> DNA
<213> Homo sapiens

<400> 88
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tgatcatctg ataaaagtaa gagttgacaa aaaagggtaca tcttctccaa tccgaaaaca 120
gaaagtggga aagatcaagg tatcactaga ggtcaatgaa acaaaacata caatagtggga 180
tgacaaaagc caatctctga atctttgaaa agaataaat aaatgaacat ctgaaaccag 240
tgatcgagaa atgtttttaga taaggcacaa aaagatacca agaatgttaa cactaggctg 300
tacatcctaa aacagtcaga tgagctcact gttataattc tgggttcaccg caagaacctt 360
agcacaaga aaggactcaa caaacatttg gatccatgaa taaaattatc tt 412

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<210> 89
<211> 289
<212> DNA
<213> Homo sapiens

<400> 89
ttttcagtc cagaatgttt tatttttaaac ttactgtaaa actttcaa atacaacacatg 60
tggcaaagaa acaacagttc acacacaaca tctgccacaa ttctctttga actgccattt 120
ctattatgtg atatttttaca atttctttca atttcttaca ttcattggtat tcttaaaggc 180
agcaatgtca atttttctgc tttgaaaata gttcagttaa tgttctgaaa ttgcttaaca 240
tgacattttc ctttttagtat tctactgctg cccacactga cataattca 289

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<210> 90
<211> 398
<212> DNA
<213> Homo sapiens

<400> 90
ttacaaaaga aaacacaaaa ccagaattta ttgaaagtag gtaccagctc tgattagaac 60
aatcagctca aagataccat tactcagaac aatatataca aaaatctcag ggaaaggaga 120
ataaaagaac ttaaaagaat acaacttgaa caggactgtt ttactaaaat ggtcttggtg 180
caaaataata acaaatacca cagagagccc tacatgagaa agccatgtgc cttcaagcct 240
ggggatgagg actctagttc tcaaattctt agaacatagc acatgattct ccaggcagag 300
aggctggctg gagaatgagg acctcactgc tgactctgct taacaaaagtc catgccccag 360
gcacaggcac acatggaatg aggccaccaa gcaagtca 398

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<210> 91
<211> 401
<212> DNA
<213> Homo sapiens

<400> 91
ttttttttgc tgccagctgc atttatttga gcatgtacaa accactcaca gccagcgcct 60
gtcagggggc caggacactg gccagcgggg ccaaggagcc acattgctgg gcacatgcc 120
cataccctgg ccaccgggca gcagtgccca gcatccctca atgacagagc agccaggacc 180
ccagcgggtga ctgtcccaga ggacctacag gggcatgggg ccaaagctgg gtcctgcacc 240
ttgtttggcc tgcagatttg atttctgaat taatttctgc caacaactta aaaaatcagg 300
acatctcaca tacaatctg tatttctggc ttctccagat ttctgtcatt aggctgcat 360
tccacacca gagcaattag ctacacctga atatggcagc g 401

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<210> 92
<211> 421
<212> DNA
<213> Homo sapiens

<400> 92
tcatcttttt gttcactaat taatttagct gtgatacttg gagtatctga cactctgtca 60
agaacatctg ataattgttg tgagactggc aaatgaagag tacggaattt gtggcctgct 120
ccatacattg gatgctggat gacgtggcta gtagcattaa ttctacctt gtacagtggga 180
catggagact gaagaaacat tgtcactttc tcatcttcca gcatcaactg taaaaataat 240

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cttcgtataa accctgaaat gttcccagat gttggaaggt tccctctttg aggagatgtc 300  
 tgaaatagtt cacaaagaac ctgtgccatc agcttttgat tattaggatg gcatgaaatg 360  
 cactgtagaa agaacgcaac agttgcattc tcaattgctg tgcgctgttg agtagtcagt 420  
 c 421

<210> 93  
 <211> 108  
 <212> DNA  
 <213> Homo sapiens

<400> 93  
 gatctgacgt tttctacgta gcttttgtat ttttttttta aatttgaaga aacactgatg 60  
 aagccctgcc ataccctcc cgagtctaataaaaacgtata atcacaaa 108

<210> 94  
 <211> 407  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 94  
 tagagacggg gtgtcaccat gttggccagg ctggcnctcaa actcctgacc tcagggtgac 60  
 cgcattgctc agcttcccaa agcattgtct tttattttnt attgttattt tntcaacatc 120  
 taagtattta ttaagggtgag tttttacaaa caagcatcta tcccagtgtg cgggggtgagg 180  
 atgggagagg agagtggggc agcaggaaga tgaggattct catcttttga taataaagct 240  
 ccagggttca ncccattgtg gatttcatag tccccagag acacatgggc cttaaaaatt 300  
 gtgtaccact tcttcaggac aatcttgctc caacgggggtg ccagtttagg gctgcaatca 360  
 gcttcttaag ggtccccgat gggnatcanc cctgttggca tttaacg 407

<210> 95  
 <211> 447  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 95  
 gtgattaaca ggacttttat tggtagtaaa ctagagcaaa caatcagaat aatacatatg 60  
 cagtattcag tacacacaat aaaagttaaa gaaattcaaa acctgtataa aacaaactgg 120  
 agaaaaatca tacagcttaa gagatacagt ggtaaaggct ctctccatcc tttgattaca 180  
 gcttgactc tgtactcaat agaacttacc gcacttactg aaataagaaa taaacacttt 240  
 ttagtactca gcgtatttaa gattaagtac attttctaag aatcttgcaa tgacaagttg 300  
 gtgacccttt agctgctaaa gctaaagggg ggaaagtggg aaaaggaaat taactaatac 360  
 tttgtaacca tttttaatat ttentatatt ccaaactctg cttttataac agaagtgttt 420  
 tacacttggc acaatattaa ttacttg 447

<210> 96  
 <211> 210  
 <212> DNA  
 <213> Homo sapiens

<400> 96  
 ctcaaaaaca tcttttattg attttgtggc aagtactcca cagtcaataa ctgcacatc 60  
 tgcattatgg ctgcttgacg catcggtctt cagattttca atttgttcga ttacttcaaa 120  
 accagaaata accagtccaa agactacatg caccatcc aggtgtggag caggctttgt 180  
 ggtactatgt aataaacatc aacacaaaga 210

<210> 97  
 <211> 441  
 <212> DNA  
 <213> Homo sapiens

<400> 97

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ttttttttgt tttctacagc accaaagaaa ttcaaatagg aaaaggagag ttgagaattg      60
ggaatcaaga atcagccctg tttccatctt agccacacca acttatatct ttatgatttt      120
caaagctttt gccatgtgat tctgccccca caaaggcatc ggtatttcct aaatgggtacc      180
tgtatatgca gcgttggttt ctataccatc cttattcaaa acttgcatgt ggcacaaaat      240
gggttggtgg gcaccaaggt atattttctg ttgatttgat atgttctttg tcttaatctt      300
aggccaagga aaacaaacag ggaccaactt caaatccgaa cttctggatt ctgatcacca      360
aaggtcattg atccatggac atcaacatag gggacttgga tcaatttttg ggggtattgg      420
atttccatgg acagtttttt t                                     441

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<210> 98
<211> 488
<212> DNA
<213> Homo sapiens

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<400> 98
ttttttaaac ttttaactaa aaagtaaact ttaatgtcga aagtgcaaac ttggggaagg      60
cagaaaacat cacacacaag gctgtcactt cacacttgga aggttgacac gcggccgggc      120
agaggcgctc ctcacttgcc agacgggggtg gcggccaggc agagggtgctc ctcactttcc      180
acacgggtgtg ggggcccgggc agagggtgctt ctcagttccc agatgggtgct gggctgtcgg      240
actccattgc tggatgtgtg acttgggttt aagcttctcc cttctgctct catctggaaa      300
tgctgacagc ctgggcattt cctcctttgg cactggagac tgaagcctgg caaggcctgc      360
cctcagcagg aactccccct gggccccact ctgtgacctt gagcccaaga caggattttt      420
cctttacctt cttccagcca ctttgggcct cccggtcttc tcagaagccc tgttaggtag      480
gtgacaac                                     488

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<210> 99
<211> 484
<212> DNA
<213> Homo sapiens

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<400> 99
tttttttttt ttttttaaag gcaacatata aactttattg aacaaaagta aactgtttca      60
gtaaactcaa acaggcactt aagagaaaaa ctgactggaa gaacttttat cttaaaccac      120
ttacagtaac ctacttgacg ttgcatTTaa ctgagctctg ttgctgtgaa gaatacagct      180
catgcacagg tatggatgaa agattttgtac atttctcaag tattcactga atactacctt      240
atatacacat atacattaaa tttgaaaaag atttgacgat cccagataa acttcatttt      300
tgttgatctt ttggaagagg tctgtctaaag agaagaatat gtggttctgg ctcatgaatc      360
atggtaatat acccagccta gactctgttg gacaccaagt ctctccact cctcttcaga      420
catcagatga gtttttaggt cttgttttgg aagttctctg gggtaacata acatgccggt      480
acta                                     484

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<210> 100
<211> 401
<212> DNA
<213> Homo sapiens

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<400> 100
tttttttttt ttttcccgca gtcacaaacc attttattac ccacattgtg ctgtgacagg      60
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cttctttctc actgtgaggc agaaacaaat ttatctgtat gtaaactttt ccagtaatgg      180
gtgatgctgt gacacctgca gaaagcagcc tccctctgtt actactataa acacccattc      240
tgcaggcagt gtgagggcac agccttctgg agtgccacac ctgggtacca cggcacactg      300
gtgcatcccc ggaagatgtt cctagggcac cacatcttgg gtaccaagag gactgtgtgc      360
atccaattag accgaggtgc aaaagccaat gcgtcaacat c                                     401

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<210> 101
<211> 533
<212> DNA
<213> Homo sapiens

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<400> 101
tttttttttt tttttttttt ttttttggag tttaaaaatc ctttattaaa aaaccccaaa      60

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cggaaatgtt	ccaaaaaaa	taaacacgtt	tctattaaca	tatcccatta	atcctattag	120
ttggaataag	atttaaagcc	caatttggaa	aagcttgcag	aatttcttcg	gaaattccta	180
aaaattacgg	taggcaaaaa	cttacaataa	catatgctat	cccagggcgg	ggaaaggaaa	240
aaaggggaag	gggctacaaa	ggccccgggg	gcatcacctg	cccacctggg	accaggggt	300
ccgggaaact	gtcccgtaac	gggaaaccta	ccgggatgta	aaggtccata	agttacaagg	360
cttttttggg	ttaaaaaaa	aaaaaggtct	gtactttcca	ggccaaaggt	gaaatggccc	420
aaacaccct	taacgcttct	aggtccccc	ggccctccat	tggggtggga	ccccctagga	480
acaatttcgg	ggtacaaaact	ttcccggaat	ttaggcggaa	actgtccggg	aaa	533

<210> 102  
 <211> 339  
 <212> DNA  
 <213> Homo sapiens

<400> 102	cttttctttc	ctttagaaga	agtagatgaa	cgagacgatg	cagcagactg	ggctcctgat	60
	gaatgctggg	aggtaacatc	cacagaggaa	ggatcatagg	cagactttct	gttagaatgg	120
	tcctcctgag	ggcttaaaagt	gctatgagggt	tcaagagttg	attttttttc	tgctgaagtc	180
	ccagtccctg	gagaggagac	aaaatcatct	tcatatgaaa	caccacttag	aggagttgcg	240
	gtggcattca	aaggccgtga	tgttgatggt	cctctgtcca	acttgtcttc	aaaccctttt	300
	ccatataact	gataggattt	tgtaaaaata	ttaatgacg			339

<210> 103  
 <211> 346  
 <212> DNA  
 <213> Homo sapiens

<400> 103	ttgttttttt	tttgtctttt	ttttttcttt	tccatttcgt	tgaaatattt	acagcaatgg	60
	ggaaggagga	ggagagagga	aggagtaaga	gggcccccta	gggaaagatc	caagcccagg	120
	accactccc	caggagagac	cagacccaaa	atctgctccc	cagatagccg	agcccacagg	180
	actgggaact	gccc aaatat	ggccaccctt	gtgggctggg	ggccctgcgg	ggaagttgtg	240
	cttcacagag	agtcgcccc	agggaggggg	tcattgggtg	cactgggagg	cagagggggc	300
	aggtttgctt	gcggggcagg	gaccaagagc	aaggggaaag	gagctt		346

<210> 104  
 <211> 384  
 <212> DNA  
 <213> Homo sapiens

<400> 104	ccgtgtcact	tctcacttct	aaatagctct	agacttggtc	ccattgcact	aacttaattc	60
	actctccatc	atctttggct	tggagtacaa	ctccgtcctt	ccatctaata	tgctgtcttc	120
	caatcgttct	cccctttgat	gtgcagggca	gccactgatc	tctctaaca	ttacagaaga	180
	atgcaccact	tgggttggtt	aaaacccttc	aatggcttcc	cattgcccc	agttcaaact	240
	ctgcaatgtg	gcctacacat	ctctctagct	tcacctcctg	ctcaatatcc	tacagcacag	300
	tgaagttctt	gggtgtcctc	aaaagggccc	tcaaacttca	aacattccct	tcaacctaaa	360
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<210> 105  
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39

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<210> 133
<211> 1685
<212> DNA
<213> Homo sapiens
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<211> 2334
<212> DNA
<213> Homo sapiens
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<210> 135
<211> 692
<212> DNA
<213> Homo sapiens

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ctggaaaaga ttcacccac cggaaaaatg tttattcttt cagatggaga aggaaaaaat 180
ggaaccatcg agttgatgga accccttgat gaagaaatct ctggaattgt ggaagtgggt 240
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<210> 136  
 <211> 2002  
 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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 <211> 835  
 <212> DNA  
 <213> Homo sapiens

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	aagtccagat	cgaaagaaaa	gaaaaaggag	aaagatatct	gttcaagctc	aaaaaggaga	420
	tttcagaaaa	atattcaccg	aagaggaaaa	cccaaaagtg	acactgtgga	ttttcactgt	480
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<210> 139  
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 <212> DNA  
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<210> 140  
 <211> 2439  
 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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	ccgaccaga	gggacagcag	caccatgtcc	cacacggctg	caggcgggcg	cagcggggac	240
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<210> 142
<211> 1488
<212> DNA
<213> Homo sapiens

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<210> 143
<211> 4839
<212> DNA
<213> Homo sapiens

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 <213> Homo sapiens

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<212> DNA
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 <212> DNA  
 <213> Homo sapiens

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 <211> 3172  
 <212> DNA  
 <213> Homo sapiens

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<210> 159
<211> 1146
<212> DNA
<213> Homo sapiens

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<210> 160
<211> 2200
<212> DNA
<213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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<212> DNA  
<213> Homo sapiens

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<212> DNA  
<213> Homo sapiens

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 <211> 65608  
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 <213> Homo sapiens

<220>

<221> misc feature  
<223> n=a,t,g or c

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tgattcagat gcagaaatga aaaaaaaca cctttgtttt ataaatatca aagtacatgc 3480
ttaaagccaa gtttttatct agtttattct agtacttagc ttgcctggaa tagctaataa 3540
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tggcaaacat tttgaaaaat ggaaaaaagt ttctaataat tgggaacaat tacattaatt 3660
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ccttgaaaaa tatactaagt tggatacta taacacttgg ctatatgtag gcaatgtcac 3840
tactgggcaa atacacttac tgtgttctag aggcagccct ttcttatgca gaaaatacaa 3900
tacgcactgc atgagaagct tgagagtggg ttctaatacca ggtctgtcga ccttgगतat 3960
catgcatgtg ggaagggtgg tgtggtgaga aaagttttaa ggcaagagta gatggccatg 4020
ttcaacttta caaaatttct tggaaaactg gcagtatttt gaactgca 4068

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<210> 183
<211> 696
<212> DNA
<213> Homo sapiens

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<400> 183
ttcccccccc ccccccccc ccccgcccg gacacaggaca cagctggggt ctgaagcttc 60
tgagttctgc agcctcacct ctgagaaaa ctcttttcca ccaataccat gaagctctgc 120
gtgactgtcc tgtctctcct catgctagta gctgccttct gctctccagc gctctcagca 180
ccaatgggct cagaccctcc caccgcctgc tgcctttctt acaccgcgag gaagcttcct 240
cgcaactttg tggtagatta ctatgagacc agcagcctct gctcccagcc agctgtggta 300
ttccaaacca aaagaagcaa gcaagtctgt gctgatccca gtgaatcctg ggtccaggag 360
tacgtgtatg acctggaact gaactgagct gctcagagac aggaagtctt caggggaagg 420
cacctgagcc cggatgcttc tccatgagac acatctcctc catactcagg actcctctcc 480
gcagttcctg tcccttctct taatttaata ttttttatgt gccgtgttat tgtattaggt 540
gtcatttcca ttatttatat tagtttagcc aaaggataag tgtcctatgg ggatgggtcca 600
ctgtcactgt ttctctgctg ttgcaaatac atggataaca catttgattc tgtgtgtttt 660
ccataataaa actttaaaat aaaatgcaga cagtta 696

```

```

<210> 184
<211> 860
<212> DNA
<213> Homo sapiens

```

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<400> 184
gactctcact gtcattgcag aaaactcttc tacagaaatt actctcaaag aaacctgagg 60
atcgacctaa cacatctgaa atactaagga ccttgactgt gtggaagaaa agcccagaga 120
aaaatgaacg acacacatgt tagagccctt ctgaaaaagt atcctgcttc tgatatgcag 180

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ttttccttaa	attatctaaa	atctgctagg	gaatatcaat	agatattttac	cttttatttt	240
aatgtttcct	ttaatttttt	actattttta	ctaacttttc	tgcagaaaca	gaaaggtttt	300
cttctttttg	cttcaaaaac	attctttacat	tttacttttt	cctgggtcat	ctctttattc	360
tttttttttt	ttttaaagac	agagtctcgc	tctgttgccc	aggctggagt	gcaatgacac	420
agtcttggtc	cactgcaact	tctgcctcct	gggttcaagt	gattctcctg	cctcagcctc	480
ctgagtagct	ggattacagg	catgtgccac	ccacccaact	aatttttgtg	tttttaataa	540
agacagggtt	tcaccatgtt	ggccaggctg	gtctcaaaact	cctgacctca	agtaatccac	600
ctgcctcggc	ctcccaaagt	gctgggatta	cagggatgag	ccaccgcgcc	cagcctcatc	660
tctttgttct	aaagatggaa	aaaccacccc	caaattttct	ttttatacta	ttaatgaatc	720
aatcaattca	tatctattta	ttaaattttct	accgctttta	ggccaaaaaa	atgtaagatc	780
gttctctgcc	tcacatagct	tacaagccag	ctggagaaat	atggtactca	ttaaaaaaaa	840
aaaaaaagtg	atgtacaacc					860

<210> 185  
 <211> 924  
 <212> DNA  
 <213> Homo sapiens

<400> 185						
cgaccgcgga	gcagcaccat	gtcggcgccg	gcggccaaag	tcagtaaaaa	ggagctcaac	60
tccaaccacg	acggggccga	cgagacctca	gaaaaagaac	agcaagaagc	gattgaacac	120
attgatgaag	tacaaaatga	aatagacaga	cttaatgaac	aagccagtga	ggagattttg	180
aaagtagaac	agaaatataa	caaactccgc	caaccatttt	ttcagaagag	gtcagaattg	240
atcgccaaaa	tcccaaattt	ttgggtaaca	acatttgtca	accatccaca	agtgtctgca	300
ctgcttgggg	aggaagatga	agaggcactg	cattatttga	ccagagttga	agtgcagaa	360
tttgaagata	ttaaattcagg	ttacagaata	gattttttatt	ttgatgaaaa	tccttacttt	420
gaaaataaag	ttctctccaa	agaatttcat	ctgaatgaga	gtggtgatcc	atcttcgaag	480
tccaccgaaa	tcaaattggaa	atctggaaaag	gattttgacga	aacgttcgag	tcaaacgcag	540
aataaagcca	gcaggaagag	gcagcatgag	gaaccagaga	gcttctttac	ctgggtttact	600
gaccattctg	atgcagggtc	tgatgagtta	ggagagggtca	tcaaagatga	tatttgcca	660
aaccatttac	agtactactt	ggttccccgat	atggatgatg	aagaaggaga	aggagaagaa	720
gatgatgatg	atgatgaaga	ggaggaagga	ttagaagata	ttgacgaaga	aggggatgag	780
gatgaagggtg	aagaagatga	agatgatgat	gaaggggagg	aaggagagga	ggatgaagga	840
gaagatgact	aaatagaaca	ctgatggatt	ccaaccttcc	ttttttttaa	ttttctccag	900
tccctgggag	caagttgcag	tctt				924

<210> 186  
 <211> 1774  
 <212> DNA  
 <213> Homo sapiens

<400> 186						
gaggcaatgg	ccggcaacca	gctgtaagcg	aggcacggaa	gacatatgct	tgtgagacaa	60
aggtgtctct	gaaactatgg	atggtacaag	aacttcactt	gacattgaag	agtactcgga	120
tactgaggta	cagaaaaacc	aagtactaac	tctggaagaa	tggcaagaca	agtgggtgaa	180
cggcaagact	gcttttcatc	aggaacaagg	acatcageta	ttaaagaagc	atttagatac	240
tttctttaa	ggcaagagtg	gactgaggg	attttttctt	ctttgcggaa	aagcggttga	300
gatgaaatgg	tttgagacc	ggggacacag	tgtagtgg	gtggaaatca	gtgaacttgg	360
gatacaagaa	ttttttacag	agcagaatct	ttcttactca	gaagaaccaa	tcaccgaaat	420
tcctggaacc	aaagtattta	agagttcttc	ggggaacatt	tcattgtact	gttgagcat	480
ttttgatctt	cccaggacaa	atattggcaa	atttgacatg	atttgggata	gaggagcatt	540
agttgccatt	aatccagggtg	atcgcaaatg	ctatgcagat	acaatgtttt	ccctcctggg	600
aaagaagttt	cagtatctcc	tgtgtgttct	ttcttatgat	ccaactaaac	atccagggtcc	660
accatttttat	gttccacatg	ctgaaattga	aaggttgttt	ggtaaaatat	gcaatatagc	720

ttgtcttgag	aaggttgatg	cttttgaaga	acgacataaa	agttggggaa	ttgactgtct	780
ttttgaaaag	ttatatctac	ttacagaaaa	gtaaatgaga	catagataaa	ataaaatcac	840
actgacatgt	ttttgaggaa	ttgaaaatta	tgctaaagcc	tgaaaatgta	atggatgaat	900
ttttaaaatt	gtttataaat	catatgatag	atctttacta	aaaatggctt	tttagtaaag	960
ccattttactt	tttctaaaaa	agtttttagaa	gaaaaagatg	taactaaact	tttaaagtag	1020
ctccttttga	gaggagatta	tgatgtgaaa	gattatgcct	atgtgtcttg	cagattgcaa	1080
gatatttttac	caatcagcat	gtgttacctg	tacaattaaa	aaaatatttc	aaaatgcaat	1140
gcatattaaa	tataatacac	acagaaaaac	tggcatttat	tttgttttat	ttttttgaga	1200
tggagtttcg	ttcttggtgc	ccaacctgga	gtgcaatggt	gcaatctcag	ctcactgcaa	1260
cctctgcctc	ccaggttcag	gtgattctcc	tgctcagcc	tcctgagtag	ctgggattac	1320
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atgttggtca	ggctgatctc	gagctcctga	cctcaggtga	tctaccacc	tcggcctccc	1440
aaagtgtctg	gattacaggc	gtgagccact	gcacctggcc	tgacattctt	tatgaaattt	1500
agaattgttg	aagaactata	acatttcagt	agggttcaag	gtggtcccaa	aagttatata	1560
aaagattagt	ttttactata	aaccttgtc	ttttactcag	atcctagcat	cccttttcac	1620
atggtttctc	catgtatata	acagaatcaa	gaaacaaatt	ttaattaaac	aatctgtaac	1680
agaatcaaga	aacaaatata	ttttaattaa	acaatctata	tggaacaaac	attcccaaat	1740
tctaagaata	aatttttctt	taagttttct	ctga			1774

<210> 187  
 <211> 851  
 <212> DNA  
 <213> Homo sapiens

<400> 187	gggagctcaa	agtgtgcctt	ctcggggaca	ctgggggttg	gaaatcaagc	atcgtgtgtc	60
	gatttgtcca	ggatcacttt	gaccacaaca	tcagccctac	tattggggca	tcttttatga	120
	ccaaaactgt	gccttgtgga	aatgaacttc	acaagttcct	catctgggac	actgctggtc	180
	aggaacggtt	tcattcattg	gctcccatgt	actatcgagg	ctcagctgca	gctgttatcg	240
	tgtatgatat	taccaagcag	gattcatttt	ataccttgaa	gaaatgggtc	aaggagctga	300
	aagaacatgg	tccagaaaac	attgtaatgg	ccatcgctgg	aaacaagtgc	gacctctcag	360
	atattaggga	ggttccccctg	aaggatgcta	aggaatacgc	tgaatccata	ggtgccatcg	420
	tggttgagac	aagtgcaaaa	aatgctatta	atatcgaaga	gctctttcaa	ggaatcagcc	480
	gccagatccc	acccttgagc	ccccatgaaa	atggaaacaa	tggaacaatc	aaagttgaga	540
	agccaaccat	gcaagccagc	cgccggtgct	gttgacccaa	gggcgtggtc	cacggtactt	600
	gaagaagcca	gagcccat	cctgtgcact	gctgaaggac	cctacgctcg	gtggcctggc	660
	acctcacttt	gagaagagt	agcacactgg	ctttgcatcc	tggaaggcct	gcagggggcg	720
	gggcaggaaa	tgtacctgaa	aaggatttta	gaaaacctg	ggaaaccac	cacaccacca	780
	caaatggcc	tttagtgtat	gaaatgcaca	tggaggggat	gtagttgcat	ttttgctaaa	840
	aaaaaaaaa	a					851

<210> 188  
 <211> 2187  
 <212> DNA  
 <213> Homo sapiens

<400> 188	gcgcgcgcgc	ccgcaggccg	tgatgccgcc	cgcgcgagg	tggcccgag	cgcagtgc	60
	caagagagct	ctaattgtac	caagtgcag	gttggttcta	ctgtgactcg	gggacgccag	120
	agctcctgag	aagatgtcag	caatacaggc	cgctggcca	tccggtacag	aatgtattgc	180
	caagtacaac	ttccacggca	ctgccgagca	ggacctgcc	ttctgcaaag	gagacgtgct	240
	caccattgtg	gccgtcacca	aggaccccaa	ctggtacaaa	gccaaaaaca	aggtgggccc	300
	tgagggcatc	atcccagcca	actacgtcca	gaagcgggag	ggcgtgaagg	cgggtaccaa	360
	actcagcctc	atgccttgg	tccacggcaa	gatcacacgg	gagcaggctg	agcggcttct	420
	gtaccgcgcg	gagacaggcc	tgttcctggt	gcgggagagc	accaactacc	cgggagacta	480

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cacgctgtgc gtgagctgcg acggcaaggt ggagcactac cgcacatgt accatgccag 540
caagctcagc atcgacgagg aggtgtactt tgagaacctc atgcagctgg tggagcacta 600
cacctcagac gcagatggac tctgtacgcg cctcattaaa ccaaaggtca tggagggcac 660
agtggcgccc caggatgagt tctaccgcag cggctggggc ctgaacatga aggagctgaa 720
gctgctgcag accatcgagg agggggagtt cggagacgtg atgctggggc attaccgagg 780
gaacaaaagtc gccgtcaagt gcattaagaa cgacgccact gcccaggcct tcctggctga 840
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tgcccgcaat gtgctggtgt ctgaggacaa cgtggccaag gtcagcgact ttggtctcac 1140
caaggaggcg tccagcacc aggacacggg caagctgcca gtcaagtgga cagccccctga 1200
ggccctgaga gagaagaaat tctccactaa gtctgacgtg tggagtttcg gaatccttct 1260
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ccgagagcag cttgagcaca tcaaaaccca cgagctgcac ctgtgacggc tggcctccgc 1500
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ggggccaggg aggaaggagg ccacggagcg ggaggcagcg cccaccacg tcgggcttcc 1740
ctggcctccc gccactcgcc ttcttagagt ttattcctt tccttttttg agattttttt 1800
tcctgtgttt ttttttttat tttttttcaa gataaggaga aagaaagtac ccagcaaagt 1860
ggcattttac aagaagtacg aatcttattt ttctgtcct gccctgagg gtggggggga 1920
ccgggcccc ctctagggac ccctcgcccc agcctcattc cccattctgt gtcccatgtc 1980
ccgtgtctcc tcggtcgccc cgtgtttgcg cttgaccatg ttgcaactgt tgcagcgcc 2040
cgaggcagac gtctgtcagg ggcttgatt tcgtgtgccc ctgccaccgc cccaccgcgc 2100
ttgtgagatg gaattgtaat aaaccacgcc atgaggacac cgccgcccgc ctccggcgtt 2160
cctccaccga aaaaaaaaaa aaaaaaa 2187

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<210> 189
<211> 257
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

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<400> 189
tttttttttt ttttttcata aatacacaat tttatttgct atttccaggg gaaacttagg 60
cattaaactg taagctgata aaatacgata cctaaaaaag tataaaagta taaatatccc 120
cttagaataa attttagtga attaagtctt aatatcttta aattaaaaaa accacaagcc 180
tatctactat gtcaagggtca aaaatcaaac aacgctaagc ggccancagc tccccagaga 240
ggatgcccg gagcccc 257

```

```

<210> 190
<211> 567
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 190
tggaataatg gcaacagaaa gactggctaa ctacaccgga gcatctatgc naataaccagg 60

```

```

acaccacata tataaaccat gtcgtttccg tggctgggtg gggcatcagt gatgggactg 120
agtactggat tgtccggaat tcatggggtg aaccatgggg cngagagagg ctggctgagg 180
atcgtgacca gcacctataa ggatgggaag ggcgccagat acaaccttgc catcgaggag 240
cactgtacat ttggggaccc catcgtttaa ggccatgtca ctagaagcgc agttttaaga 300
aaaaggcatg gtgacccatg gaccagaggg gatcctatgg ttatgtgtgc caggctggct 360
ggcaggaact ggggtggcta tcaatattgg atggcgagga cagcgtggta ctggctgcga 420
gtgttcctga gagttgaaag tgggatgact tatgacactt gcacagcatg gctctgctca 480
caatgatgca gtcagccacc tggatgaaga gtgacctgca acacaggnaa ccgatgggac 540
ctcagtcctt ttcagcagag gacttttn 567

```

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<210> 191
<211> 456
<212> DNA
<213> Homo sapiens

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```

<400> 191
catatataca tgcagtctgc ttgattatca gcaaaatggg cagcctttat cagatagttt 60
cttcatgtgg agttcatctg catgtggccc ttactctgaa gcctcttctt gatctggagc 120
cacagtctgt ctgtcttcca gttcatctca gtcctcgaga aaggcccttt aaatatgtca 180
ctttccatt ttcctttaac catgggttgt gtgagccaga aagagctttg agaaagatgg 240
ctgcttccac cagggtggag gcttctaggt ctgcatgatg atggggcccg tttctggcca 300
gaggggtggc ctgggagcag ttgtgctgcg ggcttgctgg gggagaactc taactgttgc 360
agaaacagag cttcatggct tgcttaaatt acttagctgg aatattttta agtgtcagat 420
aatgtgatgt acaaagagag tatgccgatg catttc 456

```

```

<210> 192
<211> 485
<212> DNA
<213> Homo sapiens

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```

<220>
<221> misc feature
<223> n=a,t,g or c

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<400> 192
tttttttttt tttatttttg ctaaatttta ttttcaaagt ttcaaacctt tccaattttt 60
ttttattttt taccctaaaa aaggtatcaa tacttttcat tccactcttg tcaacttttag 120
ccaaagcctt ctgagctgca gtcattttgc tatttttctt ttcagtcttc aaatcttttag 180
tattaaactt agtgtaatct tcttttgctt ctacaggctc atctgataac tttattttct 240
ttgatggagg atttggaat gaggtgaag gttctggaag ctttaagtat ttagataagt 300
catcacttaa ttctttaggg atgtagtcag atatcagacc atgggcataa cgaaatataa 360
tcctcttctt tgtcagtgga agcttggtca ccagagaaaa atgcagtgac tgtaccggg 420
gaactggaca ttcacattat tgggntttta atgctgccac agtttgatta accntttttt 480
tccaa 485

```

```

<210> 193
<211> 297
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 193
ctttttttca ggttaaatat ataattncaa gtgcttttaa tgaacttatt ttttaattggc 60
tagggagcaa aaaataagtn agtnctgctt ttagttagtt aaccttggtc ttttcttaaa 120
tagtacactg catgggtattt aatattccag gaagcatggg atttnatttt gcttgatttg 180
ggcacatgaa ataatagctc taggaaaatg cgcactctta tgactctttg taaagagagg 240
catttcttac aactgtgatg tttgcttaca taaaagttac ctcataagtt aattcta 297

```

```

<210> 194

```

<211> 1522  
 <212> DNA  
 <213> Homo sapiens

<400> 194  
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 tgattttcaa tgtttcttcc aaagggtgcag tctccaaaga gattacgaat gccttgga 120  
 cctggggtgc cttgggtcag gacatcaact tggacattcc tagttttcaa atgagtgatg 180  
 atattgacga tataaaatgg gaaaaaactt cagacaagaa aaagattgca caattcagaa 240  
 aagagaaaga gactttcaag gaaaaagata catataagct atttaaaaat ggaactctga 300  
 aaattaagca tctgaagacc gatgatcagg atatctataa ggtatcaata tatgatacaa 360  
 aaggaaaaaa tgtgttgga aaaatatttg atttgaagat tcaagagagg gtctcaaaac 420  
 caaagatctc ctggacttgt atcaacacaa ccctgacctg tgaggtaatg aatggaactg 480  
 accccgaatt aaacctgtat caagatggga aacatctaaa actttctcag agggtcac 540  
 cacacaagtg gaccaccagc ctgagtgcac aattcaagtg cacagcaggg aacaaagtca 600  
 gcaaggaatc cagtgtcgag cctgtcagct gtccagagaa aggtctggac atctatctca 660  
 tcattggcat atgtggagga ggcagcctct tgatggtctt tgtggcactg ctcgttttct 720  
 atatcaccaa aaggaaaaaa cagaggagtc ggagaaatga tgaggagctg gagacaagag 780  
 cccacagagt agctactgaa gaaagggggc ggaagcccca ccaaattcca gcttcaacct 840  
 ctcaaatcc agcaacttcc caacatcctc ctccaccacc tgggtcatcg tcccaggcac 900  
 ctagtcatcg tccccgcct cctggacacc gtgttcagca ccagcctcag aagaggcctc 960  
 ctgctccgtc gggcacacaa gtccaccagc agaaaggccc gccctcccc agacctcgag 1020  
 ttcagccaaa acctcccagc gggcagcaga aaactcattg tccccttctc ctaattaaaa 1080  
 aagatagaaa ctgtcttttt caataaaaag cactgtggat ttctgccctc ctgatgtgca 1140  
 tatccgtact tccatgaggt gttttctgtg tgcagaacat tgtcacctcc tgaggctgtg 1200  
 ggccacagcc acctctgcat ctccgaactc agccatgtgg tcaacatctg gaggtttttg 1260  
 tctcctcaga gagctccatc acaccagtaa ggagaagcaa tataagtgtg attgcaagaa 1320  
 gtgtagagga ccgagccaga aatcttagag atttcttgtc ccctctcagg tcatgtgtag 1380  
 atgcgataaa tcaagtgatt ggtgtgcctg ggtctcacta caagcagcct atctgcttaa 1440  
 gagactctgg agtttcttat gtgccctggt ggacacttgc ccaccatcct gtgagtaaaa 1500  
 gtgaaataaa agctttgact ag 1522

<210> 195  
 <211> 408  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 195  
 atcgcttgag gccacgagtt caagatgagg ttggcaacat agtaagacct catcactaca 60  
 attttttttt ttttaaatta gtgaagtgtg gtactgcaca cccgaagtcc cagctacttg 120  
 ggaggctgag gcaggaggat tgcttaagcc cagaaatttg aggctgcagt gagccatgat 180  
 tgcaccacta tgctccagag tctaggcaac agagtgcagc cttatctctt taaaacaaac 240  
 aagaatgaag ttaggtatct gtttatattg ttgagccatt tgtatttctt tttttgtagg 300  
 actgtcctgt ttnaaacgtt aaaatcactg ctgtngggtt tngattttta catctcagct 360  
 gggatgggca ccaattaaat tatttnaggc cctgggtttat tgnaaaat 408

<210> 196  
 <211> 382  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 196

actcctcttg ctcgtcatgt ctggccgcn aaaggcggga agggctcttg caaaggcggc 60  
gctaacacgc gtnaaagtac tgcgcgacaa tatccagggc atcaccaagg ctnacatnnc 120  
gcactttgct cgccgctgcg ctgganagcg attctccggc ctcatctacg aggagactcg 180  
cggggtgctg aaggtgttcc tggagaacgt gatccgggac gccgtgacct atacagagca 240  
cgccaagcgc aagacgggtca ccgccatgga tgtggtctac gcgctcaagc cagggggcgc 300  
accctcttac ggttttcggg ggttgagcgt ccttttctta ccaattaaaa ggcccttttt 360  
cagggaacc ccttaaaaaa aa 382

<210> 197  
<211> 839  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 197  
gnnnnnngnn nnnnnnnnt tnttgagnac cgcagtngca gcagcagcag ccgctgncgc 60  
aaacaagccc tcccacgttt gaggggagtc atgagccgtt tcctgaatgt gttaagaagt 120  
tggctggtta tgggtgtccat catagccatg gggaaacacgc tgcagagctt ccgagaccac 180  
acttttctct atgaaaagct ctacactggc aagccaaacc ttgtgaatgg cctccaagct 240  
cggacctttg ggatctggac gctgctctca tcagtgattc gctgcctctg tgccattgac 300  
attcacaaca agacgctcta tcacatcaca ctctggacct tcctccttgc cctggggcat 360  
ttcctctctg agttgtttgt cttatggaac tgcagctccc acgattggng tcctggcanc 420  
cctgatggtg gnaagtttct ccatcctggg tattgtggtc ggctccngta ttttagaagt 480  
agaaccagtt ccagacagaa gaagagaact gaggcagaat atcaacccca ggggtgatca 540  
antgggttac aagtggttna aaannnnnnn nnnnnnnnnn nnnntnntnt naannnnnnn 600  
nnnnnnnnnn nnnnnnnnna nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 660  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 720  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 780  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnc 839

<210> 198  
<211> 470  
<212> DNA  
<213> Homo sapiens

<400> 198  
cgaaaaaagg aacaaagcgt tactgaaaag aaggtaacct ttgttgatg tgggccttag 60  
ctccaggtcc agactactac tctatgttct ccagaagggt gctaagtcac ctactgaaga 120  
gagaaccaac tgactttcct attgactcat caggaaccag tcctcagtct ggtcaagttg 180  
tttcttattt gtgagcagtt caggctatct cctgatgggg atgaggccaa ggctttctta 240  
tcttttggtt gtctctgctt aatggaggag cctggcctag gatggaggcc tggcttagat 300  
ctttcattcc acctcaggaa tgaggttgtg atctttcctg tcctgacctt ctctgaatta 360  
tgtttcaata gtactcttga ttgtctgcca tgttggtgaa gcaaatgaat tattttttaa 420  
tgtaagtaa gtaaataaac cttagcccggt caaaaaaaaa aaaaaaaaaa 470

<210> 199  
<211> 275  
<212> DNA  
<213> Homo sapiens

<400> 199  
cctcttggtt tctgcagagg atcagctggg cctgtccctg ctcagcctgg agcagctaga 60  
atcagaggag acgctgaaga ggatagagca gattgctcag cagctctgag tggggcgggt 120  
ggggccataa acggttcctg gtgactcctg agtcttgctt ggccctgggt cccagcggcg 180  
gtggtgctag aaggtcttat gaagtcagggt gacatttctc actgtcacgt ccacagcctt 240  
taatcgcagg agaaggcagc tatccaccag gtacc 275



```

<210> 200
<211> 738
<212> DNA
<213> Homo sapiens

<400> 200
aatacagcgc attcaacttg caaacacccct tccactccca caaagagcaa gctgtcactg      60
gccaatcaaa acaatgaacc ataatgaaac agtttttctt gctccaccca ctcggtgacc      120
aaatttgaaa aaaaaaaaaa accgcgccaa ctcatgttgt tttcaatcag gtccgccaag      180
tttgtatttta aggaactggt tcagttcata ccttccactg cgataggaat catgtctggt      240
cgcgggcaaa gcggaagagg cttggggaag ggtgggtgcta agcgccatcg taagggtgctc      300
cgggataaca tccaggggcat tacaaaaccg gctatccgcc gtttggctcg gcgcggtggg      360
gtcaagcgca tttccggtct tatctatgag gagactcgag gtgtgcttaa ggttttctta      420
gagaacgtta ttcgagacgc cgtcacctat acggagcacg ccaagcgcaa aactgtcaca      480
gccatggatg tagtatatgc cctaaaacgt caggggcgca ctctgtatgg cttcggcggc      540
tgaatctaag aatacgcggt ctcttgagaa cttcaaaaaa caaaaaaacc caaaggccct      600
tttcagggcc gtcacaaaag tcgtttaaag agctgaaatg cgttgcgaga atgagtttgg      660
atgacagaaa taaccgtgac agcctgcata agaatgaatt gtgtttgccca tgaccggcca      720
cactgtgaca aaatttca                                     738

```

```

<210> 201
<211> 446
<212> DNA
<213> Homo sapiens

<400> 201
aactgaggca tcatggcagt ttaatagtga ggtatttaat tgcattttta taaaaaacat      60
tgcaaaacaa agtgacaata gggacctaaa ttctttggac ttacggtaga gatgcttgag      120
gattcctaata ttctacttct gccaacatgt caggtaggaa gtcacaaatg ttccccataa      180
gccattacaa actgggctaag gaaaatcagt catgactaag tccttgtctg catcacgctc      240
ctgcccctcc acacactgtc tgagcgtgca cttttctttc gaaggctaata ttatgaggca      300
ttctgcctga gtcagggcta ttgctaagtg gaaggtttga tgaacctccc agtagaaaat      360
gcaaggcctg caaaaatgcc gaacagctcc gatttactat gggcttataa tcaagggcaa      420
actatacaat aagagggttg gtatatt                                     446

```

```

<210> 202
<211> 469
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 202
actgtgataa aacatacaca gtttacaaga atatgaaatg ctttactaat tcgtgtgtca      60
tccatgctaa tcatctctct attgttccaa ttttagtaca ggtgcttttg aagtgggcac      120
tcttaatttt ttgaacattt tctaggtttc tgataccata ctattctgtg gtcttaccta      180
tcacaacccc agaatcagcc atttctccaa attcctttta gtggagagtg gtatttagaa      240
accaggatct ggacaccatt tctctttttg ttattgttgt ttgccttgct ttaatgatag      300
ctctttttat taatttttcc attattataa aagatggcca aatacataca tttctatgga      360
aaatgaatca agtcttatnt attttacagt taaaatttca ttattcctat ttttaactgat      420
aaaccagttt aattttcaag atgtattaaa gtctcccaca attgtattc                                     469

```

```

<210> 203
<211> 442
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 203

```

```

gggtgttccct gagcgggttg tgccgggtgat ggataactctt ctgataactgg ctcttcgtgc      60
tataatattct tttctcacca agagcaggtg ccctttcaga aggggaatggg antngaggga      120
gggtcacaga aacacctcgg cactggggga aacgtggcct agcctctgng ancggcganc      180
agcgggccgga anactgggtg gctgcggggc ggcgcgggtt cannaggctt ctttttccgc      240
ggacggagac actngtacag cccaagtctc gagnaacgc caacgccgac gccttctcca      300
acaaaagatg gcctcggact caagagtgcg gctccagggc aatgcagccc caacctaaag      360
atttagaggc ctcccgtttc gctggccccc agagccgncc accgcgactg cacttcccca      420
ncgataaaaag gtggtttcca an                                         442

```

```

<210> 204
<211> 428
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 204
tttttttcag taatacagat gtctatttta ttaaaaaagt taaaaacagg tggactgcag      60
ggtcgtctta caaaatgaca agaatgaaat ctattggaaa aattttactt ttacaaatct      120
ttataggtaa ttgttcaatg tttgtacttg ttatttgaga ttttaccttt cactgataaa      180
gttacagtac attagatcca tgataatagg ttacattatt ttatttgcag agccctactg      240
cagtgatttg aacaactcct aaatagatgc cataataaag acaagacata tattgcattt      300
aatattaatt tattatccta ataagcaaca tgcaatctat tgaggaagct aaaataactt      360
ttggtcccct ttcttaaaat gtgctggaga aaccaccctt aaaatcactt tcccccgat      420
tccngcga                                         428

```

```

<210> 205
<211> 413
<212> DNA
<213> Homo sapiens

```

```

<400> 205
tacagagaat ataaaaatac attcacttta ttttagaaaa atgaagactc atagagtaag      60
cttatcacaa actggcctat taggagtcac agaattcaca ggaaacaatt tctgaagacc      120
agggtgcctgc tgccacctct ccaagcaggc cagagtcacg tagagaatgc gattcaggaa      180
gatggctcct cagagggcag ggagggttagc tacggaggcc gctcacgtgg aaatgtccag      240
tgaaccaatg ccaaggaaga agataaaatt ctctggggct gaccacaaca gtgggggttg      300
ataaagacaa accacttgcc tgtacttctc atcttctatt tgttcatttc actgctggaa      360
ggtgacctct tttcccctaa tcttctttca acccagagag tttaagtctt ctc                                         413

```

```

<210> 206
<211> 422
<212> DNA
<213> Homo sapiens

```

```

<400> 206
tgatgcttgc agagaacccc aataacttga tcttcaagac gggaattact tctgattaca      60
ctctgagaat atctgtcatc tgcttttgac accttataag ttgattcttg agcattaatt      120
tctccatcag atagcctttg ggttgatgac tcaagagatg cttgtggctg caacacctgt      180
aactcttgca ttggaaaacc atcttcttgc tttgaagatg gatacacatc tgagtcaagc      240
tttctttcag cataagactt tgggtcaggg gaaagttatg ttattttgta atgtctgaca      300
atgagtagag ggatgcaaaa agattgatga ctggacagca ggcaaaaact tctgggactg      360
ggggagatga tgactcttga gtctgaacat tttgggaaga atgcatagaa atataattct      420
gg                                         422

```

```

<210> 207
<211> 388
<212> DNA
<213> Homo sapiens

```

```

<220>

```

<221> misc feature  
<223> n=a,t,g or c

<400> 207  
aagattatatac gaangatttta ttgatactgg ttaacatcca ttatatacag gtagaaactt 60  
tcaaaatttgt acaaagaacc attaagcata ttgataaaga cagttttaca gacaaaacaa 120  
ctggaaaata gttttaacat acacaatata taattatgaa aaaaatgtag aacacatatt 180  
gttctaccag ataaatccca aggttattaa aagtctgcta tgcagacctt taagttgaaa 240  
aatgtgttca atggagttac atgggttttag aaaattaagt ataatgttaa aattaagctt 300  
ttttttctca ttgcaatttg ggagaggaac tgagacaact tttttacccc aaatctatac 360  
agtttgaaaa ataatttata tgtctagc 388

<210> 208  
<211> 421  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 208  
tttttntntt cattgctcag gtaagaattt attaagtcaa tttaaactan acattactac 60  
cattgcaaaa gcatttgctc tgaaaaggga ctgaaaaatg catcataaag ttacatagtt 120  
cagcaacaat atcaatattg attatataaa gtaaaactac tggcaaactg catttaagct 180  
taccctgtaa tttttaataa ctttataagg agcaaactgtg tcaccttaaa aatgtaccag 240  
tggcatttac aaattccttc aaactcattt acaaatacag taataaaaaat tcctgagctc 300  
ccttttctta caccagtatt caccaatcaa catccatgog gtgttttatt tgaccacat 360  
cctctttcct tttcttaaga aaatatttta tcacattcgt aaaagtatct gtgcttcang 420  
t 421

<210> 209  
<211> 211  
<212> DNA  
<213> Homo sapiens

<400> 209  
tttttttttt cattattttgt taattttatt ttgattttta aaaggcatta 60  
ttcagtgtac aattaacaaa gaaatcagtt ttctactcta ctgtacttag gatgcttcaa 120  
aaacatcagg tgaaatgatc tatgctttta gagccagaaa actcaggcct cagcaactaa 180  
aacagagaat tccaaaattg taattacaaa t 211

<210> 210  
<211> 415  
<212> DNA  
<213> Homo sapiens

<400> 210  
ttcttgcttt ctttaaactt ttattttaaaa gtccatgcta ataatgtgtt tacattttta 60  
cagttacatt atgatagaaa ctgttggtatt ttttaaatat ctaaaacaat ggcccactga 120  
agaaaggaac aattaactct ttaattaatt ccttaggata aataccaga aatttaacag 180  
ctagggcaga cttctaatac aataccgaaa gtccctccaa aaaccaagtg gttgccaaact 240  
tatgtccctt agcattataa cattcttgag ccaatagtggt aaaaatacgc tgacaatttt 300  
ataggcaaac attactcaag gtatcttact ttccacttat tactaaaggt aattaacccc 360  
taaatagatg ctctcaaca gtgggactac atcctggtaa acctatcata agttg 415

<210> 211  
<211> 637  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 211

```

gaattgtgaa gctgtttatc aaatgttttaa gagaattttac acaagaatgt tttgacccca 60
caaaaaataa tgtgcctaag ctttaaacaa aattcacatt ttatttagat tgaaataaac 120
tatacaaaat tgattttctt caccaaaaat aacagcaata ttttccatat ttttctagat 180
aaaccacaac acttattttg taggttttcc aggttttgct tataaatcaa gatgaggcag 240
tatataagag tcatggaaaa agacagagaa aaaaaacaga caaatcagtt gtcagtatcc 300
atggcctctg attctgtctc aaccatgaaa cagaagtgtt caacatatac ctgctaaaaa 360
gcttaggaag atgtaggctc cacaaaggaa tgtaaacagc aacgagatgt ggaacaacag 420
caggcttttc cattcaaaact ttgtcatttg tttcctttta gttcaagaaa gaccaaactc 480
acactggaaa tccctgtttg ggtgagctca caagcctttt ctccgggtaa tttcctgtaa 540
ctgtccaggt atagatttta accatacctt aaaactcctt attagtcaag gnccaattgt 600
gggcttcncc tacacatttt ataatggta tccctcc 637

```

```

<210> 212
<211> 261
<212> DNA
<213> Homo sapiens

```

```

<400> 212
gagggaaaaga caaaacgtat ttattccagg ccagggtctta aaatgcacac tgcacgggtc 60
cctgttggtta tcagcaccag taaggaaaga acgtgcctta acggcagccc caccagagc 120
ctgctgcgtg gctgctgtga ggctcccat gaatccacgc agtcttcttc ctactgggtg 180
cagttggtga ggttttctac cctcacagca aagggatcct taactataaa ttcacgggtat 240
gcagagaaga ggacagaatc t 261

```

```

<210> 213
<211> 445
<212> DNA
<213> Homo sapiens

```

```

<400> 213
tttttttatt gttttatagt tttatttttt ttaaattgaca gttacaagtg cttttccctt 60
gatgggcaat gacgtaacta ttttcagtta ttagtaatgc cttaaaaagt aacagcattt 120
tgtctaaact gaacttatat aattgcacaa aagtcattgga aagcattaag aaatgctggg 180
aaagattgaa gttttctcag attcttgcgc aattccaaga agccttgatt ccagtgggtc 240
ctctgattca aacaataatg atgctcaaac tcagtgcacac acaggtagag aacagcagca 300
caaccaggag aacccatgtg gtttgtaaca gtgaaattct gctctactgt taaggtttaa 360
tgatgcattc attcatcttt tcattaggag cataaaaaac acctcaaatt atattttctc 420
aggcttaaaa cttgttttga gctat 445

```

```

<210> 214
<211> 466
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 214
gagcacaag gtccacttta cttacatgaa ggaacataaa ggcattgagaa acagtcattc 60
caataaatgc aagacatgag cataaaagag gttctctgcc tttccagcgt tgttattaca 120
gagagaaacc tacaattatt ttgttaaaca aaattcaagg ctccaggact catctctgga 180
gctgatatgt cttaaatact attatagtag gaaagggaga ggagaaaatt cccacccac 240
tcccccgatt tggcccggtg agcttccctt tgaggggtgtg tgacttgcca tctgcaaaag 300
tcatggccaa aacagggaact aacaggccaa actaccatca atctagtctt ctacagcacc 360
ctaacagagt gccagggtcc tctgtcncct ccgcacctga ggncaaagtt ccaggaagtt 420
tactgccggt gttaggaggt gagctcaagt tcagtgtctg ncttct 466

```

```

<210> 215
<211> 446
<212> DNA
<213> Homo sapiens

```

```

<400> 215
tctgaaaatc agccttttta tctagttgaa cccaacgagt ggggaaagaa ctaaaacatt    60
tttttccott cagattttga ttataagaat aacgggtcag aggtgtctct tccataggaa    120
actgacatcc cctatgtcct cagagttggt tttttttttt tttcttcaaa aaaatgcata    180
aaagaatttc aactcatgtg catgccacac atttccatcc ccaccccacc ctgccccacc    240
ctctacaggg acacatattc acacacccaaa gggactcctt cctgtaactg gggaacagaa    300
tgtaaaaaaa tccatccaag tggccaccga taccagaaat aaccaaagtc atttacactc    360
acaacatcag tcaactcaca tgcacaagga gaagcgtctc caatcggagc ttagagccaa    420
aaattacaaa tggcagagac ttgagc                                     446

```

```

<210> 216
<211> 465
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 216
tttttttttt tttttttcta aatgaagtgc ttttaatttt cagaccaaac atttttaata    60
taaaaacatt ttgataatat acaaacagca atcacaacag catccacatg gcagcaaggg    120
gaccagggca cagagnngggg gagcgggctg gggagggaca gttttcaggg tcccagttgc    180
ttccctggct tgaaatcacc ctggtcctag cagaggacag gttaaggctg ccagaggang    240
ngggtccctg acctggggcc ggagacagac tgcccaggca ggccctctga taccatcttc    300
caaccatggc agcctccagg aaaagccaga tccatttagg agataacagg aaggtggctg    360
tgattgacag gaaaggcaac atggttcctc agcatcctgc tgatcacacc tctgggaggg    420
gctgctggat tgaagaggac ctaagaatct tcctgggagc aggac                                     465

```

```

<210> 217
<211> 315
<212> DNA
<213> Homo sapiens

```

```

<400> 217
ttcgaaacct aaaaatgtat tttattttga agttgtgctt tggattttcc ccaatccaac    60
atctgttgag tgacagtctt aggttcacac aaagcatctc caagcataca tacaatattc    120
cagttatcaa cactatttta aagaatatac cattttacac aaatgtgaca tacaagtcag    180
acgccacaac attgcgattc cctggaagat gtgacttctc ttctgcatgg gaagtagatc    240
tgcaccagcc cttccagtgc tctgcgcac cgggtgctgg catcacgct cctcatctcc    300
ttggggagaa gccag                                     315

```

```

<210> 218
<211> 382
<212> DNA
<213> Homo sapiens

```

```

<400> 218
tacatgtata ttattttattg ttgattctgt acaccaaatg gattacaagc agcatccagc    60
agaagacaga cccccaacc ctgcccacca gggctgacac tctacaaaac cctgagggcc    120
tagaaatctg taaatgcacg gccaaagcact ggggctgatt tgcagtaatt ctctaagcaa    180
ggcaaacatg atctagcttt gaaggcagca tgaaggcagc gggttggtga gaacaatctc    240
tccttaagag aagaagatac ctggggcgga aggagttttc cccggaagtg gcttgcagcc    300
caccctctct gaaccacagc catggcttcc ttcccaaggc cactgctggc ttcccaacaa    360
cgcagattca gttctgactg tg                                     382

```

```

<210> 219
<211> 323
<212> DNA
<213> Homo sapiens

```

```

<400> 219
cttcacacag taagatcagt gtttgctaag tgttatcagc caatgtacag cccccccaa    60

```

```

caccgtcaaa cgttgttcca gttatttttac tttaaaagag gatttaaata atgcgacgtg 120
ctttccactg agccactaag taggtgtgga cgcacaacct tcaacactaa ttgcccttta 180
ctaagccgac cagggtctaga cactaagcca gaaaagcctt ttccagagtt tcctcttccg 240
cacaaaagct ttctttctgt cactccaccc aaccaccag ctctccctt aagtgtttga 300
aagataattc tataagtctc etc 323

```

```

<210> 220
<211> 416
<212> DNA
<213> Homo sapiens

```

```

<400> 220
tttttttttt caagtatatt tactctttat tgcattcctt catttgcatt aaacaatatt 60
ttttcaatac agtttttgac aaaacacaaa gacattaagc tcatttaaca agagacataa 120
gttaacacaa tgtgtgctgc tttcatgagg aggaaagagg caagatctta gaggaatcca 180
ggatactggc caccaggaat cacaggatct cacaatacaa tccacttctt taaaagccac 240
aaaataagct aggggaagaaa acccaaaaaca aagaagatat gacatccaag tctccaccaa 300
aagtatacaa atggcaagat ttggagatga tctgctttct cacatgagga caaataacag 360
aggagccaca cccaagtgcc actgtggcca caagcctcat ggggtggcgtg tgaggt 416

```

```

<210> 221
<211> 388
<212> DNA
<213> Homo sapiens

```

```

<400> 221
ccgaggcttc agttctgtac catttaatgc gtgcaaagga cattccatgg tgtctgctgg 60
gttcagggca actggctttc ccaaggcata caagaaaagt tggcagaaag tcctccctt 120
taaaattcaa gcctgaaggt tttgtgtggg ggctactgc ccctaagtgc ttctggtgat 180
actgcagcac agtccatcaa aatagtttgt ggttttgcca tctgttactc cttatgccca 240
cctggagagg ggctagcatc tttaggtggg accacccttg gcacaacatg gtctctgagg 300
tccagatact ctgagggtag gggctggctc tctctgcctc cctatccctt acaagaggga 360
caggagagg tagaacattg ggatcttt 388

```

```

<210> 222
<211> 353
<212> DNA
<213> Homo sapiens

```

```

<400> 222
gttatTTaag gatttgttta atgttttaaa attcaaagca ctttaaatta ttttaagaca 60
aaagattaat aaaaacaaca ttacctttca aatacaactt tataacagca cagtggaaga 120
atggtaaaca gtccctcttt tttttaaaaa aaatcagta cttaaaacca aaggaaggct 180
tatatgtaca gctaattcag aaagggaaca atgacaccta aagacataga taaatgcttc 240
attttaatcc aataaatgtc ctacctactg gatcttaata atgatgtttt caatatgcca 300
tttaaaataa actatccttg aaaataaagt tttaaatcat tcaatataat cta 353

```

```

<210> 223
<211> 366
<212> DNA
<213> Homo sapiens

```

```

<400> 223
ttttttcata atgatttatt tagataacaa acattaatgt gaaacataca ggctattggc 60
aaccactatt ctaaaattat gtaagtacaa ataaacatac tgaaatgtgt gcaattctaa 120
gttttttaaac cagaagattt ctacactaac acacatttat attaatgaca cataaaaaaa 180
ataaaaaactt tattacaaaa ataagttaca ctgcctcca gtttacagta taaaacaatt 240
ttatttgcag gaatgcaaaa tgattgtttg ccatgagcat tttgaacata tgacatgtcc 300
gattttcttg ttaaatttgc atttactggg gaactggtgt gtataaaacc ttaattaagt 360
ataagc 366

```

```

<210> 224
<211> 535

```

<212> DNA  
<213> Homo sapiens

<400> 224  
attgataaac acagtaaata ttttttctct tccttatgat tttctaagta acattttctt 60  
ttctctagct tactttaaga atacagtata caatatatat aatacatcag tcaggctccc 120  
agtcaataac aggctactag tacttaagac tttggggaat caaaagttat atgcagattt 180  
ttgactgtgc ggggcgtagg ggtgggtcag tgccccctacc acctgcattt ttcaagtgtc 240  
aactatatat atgtatgtgt acatacacat acacatacac acacacacac acacacacac 300  
acacacacac acacacacga gtgtattaat tcctcagaag cccagccagg catcttagct 360  
tggctacttt ttaattagaa acaactattt tattcagaaa agtatacaca gtttagcaatt 420  
agaatcttct tatatacaga cataacttgc agaagggttaa gtctgaggac gctgttctgg 480  
gtaatttttta cagtcctttt tagctcctaag atccatgaca ctgcattttt atggc 535

<210> 225  
<211> 337  
<212> DNA  
<213> Homo sapiens

<400> 225  
tttttttaaa attaatcaac caacacccat tctattttaag gttccaaaag gaagtagctg 60  
gacccggctg cagacacact cccaccttgc ttctgtccca aaagtacatc ccctacgtgt 120  
ggttctcctt aaacaatttt aatgtctggg ttggggaagc aggtagagcg cgtagaggca 180  
gctgctagag gctggttgc gactccaggc cgcgttccag gaaatatcgg tgggaagaac 240  
ggggacgggc ttgggacct tcattgagga agtaggatgt gatcttcctg agtccctcct 300  
gattctcgga tgctgagtcc tcccatataa catcttc 337

<210> 226  
<211> 451  
<212> DNA  
<213> Homo sapiens

<400> 226  
acaagatgcc acttgcata tgctgtgggt gccttttcat tgcaatgcct ccatttcaga 60  
tgtgagaaag ttctgggcct gtagggcatt tcaagcctag gtgtgtattg tggaggaggg 120  
gatagatgtt catctatgca ccagatcctc agatccccga ggtgggttgc ggggaaggcc 180  
caggagctg atggataaag ccacagcttc agtcctggca gagttcactg ccaggaatgg 240  
ctgctgactg cggggcactg atggtgggca gccaggggcg aggtgcaaac ttcttccac 300  
aaggagtcc aggtgttcag tggcagccag ttctcagtt aatgggtcac ctgctgctgc 360  
ggccactctc tgttgatgca gtaagccggt tgaggggctg caaggggctg gacaggacac 420  
cccgaaact ttccagccat tctgctgtt t 451

<210> 227  
<211> 423  
<212> DNA  
<213> Homo sapiens

<400> 227  
acattcagat gtttttactg cttgattaca tttcttggtt tcacatttaa gacttcaatt 60  
tataagaagt aaattatatg tttttcaatt taagaacaga tgaatgcagg aacattatga 120  
acattatgtt ggggaaaaca aagagacccc aaattaaaaa acaaaacaaa tcaaaacata 180  
actagtgtg cagctctgga gaacttaata aaaagtaaata caacttttaa atcagttaac 240  
tttggcgtct gaatacaaaa tgtttatcag tattacctat gtagatgact attaagggat 300  
gtgcagcatt ttcaaaatcc ctgtgtgtcc tttgtatgca tgtttggtac actgagttct 360  
gtggtcactg tcctctcttc agcagggttt ttttaccoca gtacgattgt ccatctctgt 420  
att 423

<210> 228  
<211> 385  
<212> DNA  
<213> Homo sapiens

<400> 228  
tgtgatgcag catcagggtgc ttttacttca gtgaatgaaa aataatggtc acaactcaaa 60

```

tgaatgggaa tttaatatga atatatgcac cttaccagag atgtttgcta ccaatgatat 120
cttagcaatt ccatattcct tacaaagtca gtataattgt tgtaaaaaaa tcaactgtgg 180
ttctgaatac ccattcacag ttgacctcaa caatgtatct gatgtaggag actgagtatc 240
cgtgacagggc agaagcatgt gatggtcctc agtcccaagt ggaagagcta atggtaaagt 300
catatcagaa ggcttcacat ccatagtttc tgataaagga cttttttgta tggaatcctg 360
ttcactcaaa gtatgatcct ctgca 385

```

```

<210> 229
<211> 207
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> n=a,t,g or c

```

```

<400> 229
gtggaagaat acagaaatat gtttaatact tagtatcaaa ctaaaaagta atataaaatt 60
acaaaacttc ttttttttca tgcacaggct ttnctggta aggaccgctg ggattgaaca 120
gaagcttccg gtaaataagg gccccgctcg caagacagca tactgctgtc acaagtgcaa 180
acaccctcc accaactgtc aatgttg 207

```

```

<210> 230
<211> 351
<212> DNA
<213> Homo sapiens

```

```

<400> 230
aaaaatggta ttcattttta tttcaacatg tcaactgtgc atttcacaaa cagcaggctt 60
ttcaaaggaa taaatcagaa ctgtaaacac aagatacagt acaagttttt gacttcctac 120
agtcagtttc acaaatccac atactgtaca ttcatagggtg aggttaagcc tgtcacccat 180
ttctttatct ctataattac acaagcataa taaatacatc tgatttttaa ggtcacttaa 240
aatgagtcac aatttacagt acagtacgtt tcagttcaag tgcaaaaaat aactatttgc 300
tgaattctat ttctttcagt tattttatct ttaagctgtg ttttattgtg a 351

```

```

<210> 231
<211> 318
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> n=a,t,g or c

```

```

<400> 231
ctgggtgcaa ggaacatttt attccataac tgtctccacc gaagccgcag aagcaaagcc 60
aggagcagaa tccattctgc cagcgctggg ctctggggag acatctgtgc cctcaccatg 120
gaggacagaa ggcagggggc tcccgaactn ttggtcctgc ctgggggtgct cctgtccctc 180
tttnttgctg ggggacctac cccacntcc ccctcccacc tcagtcacag aggaacaagg 240
gagacaaact gagggctctg cagtccccgt tcaaggncaa cataatagtc gtgtggcccc 300
agcccagcta ggcgcac 318

```

```

<210> 232
<211> 228
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> n=a,t,g or c

```

```

<400> 232
gaaaagaaat ctatttttaa tggctttggc tttatagcac gaagcaggca ccnctcggt 60
aaaggcacac agtcctctct tctgccccac ctctgggtgc cttaaaatcg agtcctgagt 120
tccagagggg tcaatgcaag gcagcaggga agggagaggg tcacagtttc actctgtgag 180
tatcagacac ccagggccaa ggcccagact ggcctctgaa gctaaagg 228

```



```

<210> 233
<211> 479
<212> DNA
<213> Homo sapiens

<400> 233
tttttctctt tgaaagttta ttgttttctt taaaaaaaaa aaaaaaccta taccttttat    60
attttacatt cacctctcag aatatattaat ggtaccggtt aacgatgtta taaaaaaga    120
ccaccacctg cttgaaatgg ctgcaaatat accatgttct ggcattaaag tgatttcaac    180
tctttggaca aattggtgta acagtaagca ccgagatttc aaattcccag atgagaaaaa    240
aaaaattaat caggaggaaa tttatttagt aaaaattcaa agctaaagaa atgtgagaag    300
gaagccaaac ccaaaaaaact gtaaaaaata caatcttctc tccagaatta ggttaaaaaa    360
tacagtcaac cccattctaa accccatatt tcttagaaaa gtcaccagc cctgaacaca    420
gggtcttata cacaataca tgtagcttga tttgcagatc agcctctggg atcgacctt    479

```

```

<210> 234
<211> 388
<212> DNA
<213> Homo sapiens

<400> 234
tttttttttt tttttttttg catttcaa attttaatat ttttatttcg caaagagaag    60
cctaagaatt tttttaaaaa catttccaga gagaacactt tataccataa aataaacttg    120
tataatttgg gaggacaaat catctcaaat gtatattttt gaattatgtg ccaattttat    180
aattagtaca aaaaatgacag ctgaaatatt ttaaaaaatgt aaaaaccagt ccaggcaaca    240
taactatacc atcttgctgt aaaagtactt atatcgaatt ccgcacaaaa tatttttgca    300
atatgctaaa tttagtctct caagtctctc ttcaactgccc gctggctttt ccattttctg    360
ttgtctccat cccattttcc tctttaag                                388

```

```

<210> 235
<211> 536
<212> DNA
<213> Homo sapiens

<400> 235
ttacaggat cttaacttta tttagctctc tgtagaatta acatctttgc aaatatatta    60
ttcaaccaag catttgccat aaagataagc atcaactttc ccattggaca agtgatagtg    120
ttcaagctac ttgacttggt aaaaacaaaa aaccaccatg acttctcaac aaatacattt    180
taaaatgaaa tatgctcagg ctgataaaca aacaagatat taaaatggag actgacattg    240
aactacatag tcaacttgaa aaacacaaga agacaatgct cctataaaat gatataattat    300
tggctttaca aagacatact ggtttatggt tacaactatg ttttattttc aaatggtaaa    360
ggaaaggctt catgttgcta tttgaaagta cttctcaact agccgggcat ggtggcataa    420
ttcctgaagt aggaggatca tccccttgag gccaggaggt ccaggctgca gtgagctgtg    480
attgtgccct gaccatagct tgggtgacag agtgaactct gtctcaaaaa aaaaaa    536

```

```

<210> 236
<211> 378
<212> DNA
<213> Homo sapiens

<400> 236
gagagcacia ctccaaatca tcttttatta atataaaaag ggcataattta gcaaaagaca    60
cacagataaa agagtcacta tggctcagga cacaaggcag ggaggtgcca ggcctgtgcc    120
cctgctgggg gagaaggagg ctcgggacaa agtgggagaa gtgctgggaa gggctgagcg    180
gtaggggcca caaaagttcc ggtgggcaac actgtcggca ggtcatgggt gggactcatg    240
gggacctcgc tgctaactct tgttggggg ggggtgtcct agtgctgcca cctggagggc    300
cactccttgg ttcctggagg ggaccaccca agggacacag gacaggaagc ccaggatggt    360
tagtgcaact cgggatga                                378

```

```

<210> 237
<211> 455
<212> DNA

```

<213> Homo sapiens

```

<400> 237
tttttactgt atcttatttg atgatattta ttttctctgc caagctgtat agtaaaagga 60
aaataagtca catctgggtca ttggcatttg tatcgtcatt ctgtaaagac aaaagagtac 120
ctatataaga agctccacgt agtgcaaatac gacatctggg aggctgctcg cccccaggca 180
gcagctagag tctgtaattc tctgcgtcat cctcttcttt ttcttcattt ttgctttttc 240
ttcgcttgag ttcttctctg aaattatatg caaagagttg tgggtcttca tcacacattt 300
ttctgtatac atcacagagg ctcttaaagt gtgagatgga gagctggcgg ggccgaagag 360
tagggctctat gtctgccaac tctaacagcc tgcccgtgct ttccaagcgc tgcgcttcag 420
ggaataacat tctgagccct cgatggcagt atttc 455

```

<210> 238  
 <211> 357  
 <212> DNA  
 <213> Homo sapiens

```

<400> 238
tttctttaac cgtgtgggtct ttatttcagt gccagtgtta cagatacaac acaaagtgtc 60
cagttagaag gaattcaaac ggaatgccaa ggtccaagcc aggtcaaga aataaaaagg 120
gaggtttgga gtaatagata agatgactcc aatactcact ctccctaagg gcaaagggtac 180
ttttgataca gagtctgatc ttgaaactg gtgaactcct ctccaccca ttaccatagt 240
tcaaacaggc aagttatggg cttaggagca ctttaaaatt tgtgggtggga ataggggtcat 300
taataactat gaatatatct tttagaagggt gaccattttg cactttaaag ggaatca 357

```

<210> 239  
 <211> 378  
 <212> DNA  
 <213> Homo sapiens

```

<400> 239
aacataaaaa aataaattta ttttgagtct gaaatactga agaacaagca tacagataaa 60
tagtaciaaag aacaaaaatt agaacatgag taatgactta agacacaggc atttttctag 120
ctattgcata cagacacatt ttacacaca aacatatttt ttaaagacat ctctccaaca 180
ttctcaaaag gcaagagctg tatttggtgac atttgtaata aatgcaacag cttttgaaac 240
atccagtttc tttcctaagt catttgatta aaattcacac aagtgatgat tacctattcc 300
attttctgaa aatacgacat acagtcattgt ttcgatcaac aattgaccac atatgacaga 360
gatcctataa gattataa 378

```

<210> 240  
 <211> 330  
 <212> DNA  
 <213> Homo sapiens

```

<400> 240
tttttttcaa ggattcacaa actatggcat tttatttcag agcctttgct tacatttgta 60
caatatatta cataattctt cattgtttgc agatccta atatacttta tagcttttat 120
tctataagct tttttcttca acattttgct gtcaacaaat ctttacagtc ctgtacaaat 180
ttgaataact tgaaccatt ttcaacaaaa ttagttactg taagcacaca ctacaagact 240
gaaaatgctt ttcttagaaa agttgaatgt aaaggattct gacacgtag catctacaac 300
aaaacgcatt gaaattccca cgtcgtattg 330

```

<210> 241  
 <211> 459  
 <212> DNA  
 <213> Homo sapiens

```

<400> 241
tttacacaag aaagtgcgtc ttacattggt gttttgtggt atttagtgat ttgttcagcg 60
ctcatctctt ccaccagact gcgcttcctg aggacaggga ccttaaagca cctcacatag 120
ggtgcgcgtc tggtagactg tcgccgagta ccagacaacc agtgtctcac acgggggaag 180
acgatgaaga cagcaatggc atccttggga agatgggcag gagaccccat gacacctggc 240
acctgggcct aagctgggag gccagcggcg tccccaggag accacggccc aggctgggag 300

```

```

cttgaccggc cagacgcccg tgggtgggccc tgggcctccc gcctgggagc ctccagtgtg 360
gcgcctggct ctgggtgggt aacaggagct acaggccagc aatgcccttc ctgtcctcgg 420
cctggctcaa ggactgggtg cagagggcat cagcgatgc 459

```

```

<210> 242
<211> 418
<212> DNA
<213> Homo sapiens

```

```

<400> 242
gaaatgtaag tatacagatt ttaattttatt ttttaagaata attgtatatt ttaaaaaacag 60
gacacgtact gtatgagtaa acagcgtggc taacaccaag tccacactgg taagcttttg 120
agaaccattt acactatgtt gacagtagta ctgctgcagg cagacagcgg aagaataaat 180
aatagtgttt caagaagagt agtgattgag aggataggta aagagggcgc ctcatcgtgg 240
aagctagagc aggaacacct cccagtagt gacatgtgca aagttccaga tctccacgac 300
aaagacagct caacccactg gaacaaacag actcccaatg tggctggcaa ctgcgggggt 360
agaagaactc aggcaaagta ggcacaggaa tggggggagat gagagccaag ggacaaac 418

```

```

<210> 243
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<400> 243
tttttttttt ttttttttgg atcaccagca attctcttta atcctctttc ttttccttct 60
aaaagctttt gcaaagtcca atttattttt acagtaaata gattatcttt taagaaaacg 120
cactagcaag attgtagcaa agtgtgttta tgcaaacagg tgggtgcagag acagaggggc 180
ggaccttgtg ggcagctgga ggaccatccc agctcatggg ccacgcacag atgggagcac 240
ctcagtgttt tcagccaaga gaacacaagt ctggggatcc atgtggctcc ctgagccct 300
ggacccaggc aggcaggaca cccttgacca tggggcaggg gacatcccag catcttgtct 360
gtacccccac cacctgcgtg gcacctgggtc ctcaga 396

```

```

<210> 244
<211> 286
<212> DNA
<213> Homo sapiens

```

```

<400> 244
caccactaaa aaaggctttt attacaaaat gaattctaataaaaaccaggc ctggtcttca 60
acccctcccg ctgggtagag gccctagggg gggctagggg aggggagatg ggggtggggg 120
gccctgaaag aacagagcag gctgccctcc tctcatcagt ctcagctgct gccctccttt 180
tataaagggc tagaagagct cttccaaagc cccttgagag agtccccatc cttccaacca 240
ggatccttcc aaccactgct gtcacaggac cttagcaatg ccgcat 286

```

```

<210> 245
<211> 307
<212> DNA
<213> Homo sapiens

```

```

<400> 245
ctccctagga aggatatccc aaagcaaggg catcttgaaa agcatgattt tctcggtaat 60
gtttgccaac actgttact ttccacatgg tcacgactga aaacacattt accaatacct 120
ttcaagcgat atgactacca gaaatagatc ttctttacta cctctctga aatgagtaaa 180
caagaaataa attcagaagg taggcttttg aaagaaaaag aaaaaaatt gcttgcggt 240
tcacagtga aaaaattgga gtgtttgtgc cgggttaagat tttaatgggt tcttaatcaa 300
aattctc 307

```

```

<210> 246
<211> 429
<212> DNA
<213> Homo sapiens

```

```

<400> 246
tttttttttt ttttttctac acacagtgac tttattactc tatggatgct ggtgaactgc 60
cctccccaac cagcttcacg ggggcaggca tctctgtcca tcccatgcct ttgggtcaca 120

```



```

<212> DNA
<213> Homo sapiens
<400> 251
tttggttaaag aatgctttat taatacaaat acacacaaac tctgaagcac taagaaattt 60
aaatatctat gtcacagcaa acagggtggca attcaacatc cagggtcgac agaatgcttg 120
aaggagactg caacagattg gattcccatg gtggagaggg catcttcaca ggtgaagggg 180
ggcccagctg aaacagcttt tcaagctctc tctcctcgtc aaggatcatg agaggcactc 240
cactcaaggg gaggtgcgca atctggtgct cttcaggcag gtcaaaactc tcaaagtcta 300
gaggattgaa gggaaagaat ttttctatct ctggataggg atcatctgag gcaggaacag 360
agctttttgc tttaacagtc ttctcagtc tctttttggc agaaaagctt ggctgttttt 420
gtttgagggg tccc 434

```

```

<210> 252
<211> 337
<212> DNA
<213> Homo sapiens
<400> 252
ttttaaaaat gtaatactgt ttattttaact tcaaaaacat ttcagcattc taaacataca 60
aaaaaataac agaacgttgc gaatcgtggt taagtacagg aggttcttga actttcattg 120
atgcagtgc tctttgcttt gctgacaatg aagagttcta tagtttggtt aaaaacaaac 180
agtttaaaaa ctaccgcact taaaaaaaaa aaatattctc atgccagctg accccccttt 240
gtccacagct aagatggcag cagaatgcta tgtcactata tacagaaaca agacaacctg 300
aagctaaatg gatgccccct gcagagtcaa cagggtcc 337

```

```

<210> 253
<211> 443
<212> DNA
<213> Homo sapiens
<400> 253
tttaggtaaa agattttttat tcttattttaa ccatgctgca tgtatacata caataccaat 60
atatacaact tgaacaaata caattttatc ataaaataca atgaaagcat ggcttttgaa 120
actgatgcaa caaactgtaa tttgtaattt tggccagcat acagtattat agtaatgcta 180
ctgaagttaa tcattaaatt agtcagacta cagtataagt tcaaaggcac tagaaacatc 240
tatgttttct tctagtattt ttaagaacaa aaaataattt aaaataaaac aaatgtatac 300
attaggaaat tgggcagaca ttggtgtact taaatgtaaa cgctacccat tccttaattc 360
acagccctgt aggaaagaag acttttcctta agagttaagg ggaaggatat taaaaacaga 420
ctaaaaggaa acaaacaaaa cag 443

```

```

<210> 254
<211> 463
<212> DNA
<213> Homo sapiens
<400> 254
gagttctcat tagactgggt tctaggcggg ctgctccagc tccataagga agcactcgat 60
gtcgtcatag aggctgttgg cgctggacag gcagaggctg aggctgctgc tatccaggga 120
agacacaccc tcacgctgcg tgccctctag gtgcactcgg cacagccagg gttccagctt 180
caccaggacc aggtctttct ccttgggcct cccagctgac aggtcctgcc cgaagcccag 240
gtagatggta tagcgtgggg agccacggcg ctgccgtccc ggaattccac cagctctcgg 300
aagaagactc tgaagtcgaa gatgggggtg tcacagttcc gaggcagcag gcaggctggg 360
gtggaggggc tggcggacta ggggggccgc ccacctcca gtacaccttg cacttgccca 420
tgcccgggg gcatagttgt ggccctcaa gctccagggtg caa 463

```

```

<210> 255
<211> 404
<212> DNA
<213> Homo sapiens
<400> 255
tttgtttctt tgaattttat ctttatttct ccataagggc aatcagagaa atatgctttc 60
ctttttaaca agctcatctt taatgtggta gcaaagatgg aagggtgcgag accaaatctt 120

```



```

tgggagatgt gaaggaagtt atctcacaca tgatatgtct tcaaggagct aaaaatgcc 300
gtggataaaa gcaaaacaca tggaaaaaca aagtacaaat aataatccgt gtatatgtc 360
aaaaggaaca ttttatcaaa aggtaggatt gtagctaagg ttggcttgcc ttcttcctc 420
ttttattcaa caaacattta atgaaggccc actatgtgcc aagcacttgg tacatgatgg 480
tgaataaaac aaacaagggt tctgccctca tttacagcct ggtaggggag acagaaatga 540
acaag 545

```

```

<210> 261
<211> 407
<212> DNA
<213> Homo sapiens

```

```

<400> 261
caatctgttt gggactttga gggctggggt gggaaggtag tggaatggaa tagataaaca 60
gccagtcaag agctgtgggg aggttgacag aattgggggt caggtagatg taggatacac 120
agaagctttg tgtctgtgga ggctgtatga gtctgtgggt gagcagcatg tctaagtggg 180
tggaacatg tatagctaaa ggcaggaaact cttcccatag agctaaaccc ttgttcaagc 240
aatttaaata aacaagaaca ttttaaaaaa ttaaaacccc actaaaacaa tccttgtgga 300
gcagttttct tgagtgttta agtagagacc agattcaaaa aaggattaag agaatgtcgc 360
ataaccaagc tgcagaaact gaaaccgagc ggggtgtgag gggagat 407

```

```

<210> 262
<211> 408
<212> DNA
<213> Homo sapiens

```

```

<400> 262
tttttttttt tttttttttt tttttttttt ttttttcatt tttagaaaaa actttattta 60
caaaaccaca actcagtctg ctttggtatt gacaaaatcc ctacaactga gatattaaag 120
agatacattt atttttagagt tacataaaac cagaatccaa cactacccta ctttcctatt 180
cctttgtggc tctgaatgca gctttaaaaa aacaaaacaa agcaaagcaa agcaaaacaa 240
aacagctctt tataatgtac aatggcttaa gcaaactcgt ttagtttttt ttctatttaa 300
gatttaggac agactactcg tctaaaattc actatttaca gagaagggtc tagggaacag 360
gataacttat ttaggtttag ctctcataat acaatatcca taatggct 408

```

```

<210> 263
<211> 308
<212> DNA
<213> Homo sapiens

```

```

<400> 263
tttttttttt tttttttttt tttttttttt tttttttttt ttacatccca aacaggtctt 60
tttattttaac ataaggccaa agaagctatc aggcgttgct gaatactgtc cactaactgt 120
acaaaatatt gactgcatgc ctgcgaaaca ccaaataatc cgctggaatg ccatagaaat 180
aaataacttc tgctataaac acatgaaaac atatcaaact gttatctctt taaacatatt 240
gtaaataaaa aaattaccag tacttctaca caataaatat taagaaacca ttgacatagt 300
tgaaatgc 308

```

```

<210> 264
<211> 702
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 264
tttttttttt aaaaagttga gtatttttat tgggtcttca aatctgggtc ccacagtcct 60
catttgatgt cactcttagc tctgtactga tctctcctct gacttttacg gagggcttgc 120
anaagtagcc tattgcagcc aaagtttcac tccaaagcta cctctctaag gtctaagggt 180
actatggtaa agttttatag aacagttttc cttaaaaata ttccacgatt tgttactccc 240
aaacaaaata agattatgca ccactcggag aaattagtca ttctgaagat gtctaagaac 300

```

tatatcactg	ccaaagaaca	tttctcagtt	catattcttt	ccttcaattt	tcattttgcac	360
atccacactg	tgggggttcac	aagtcacatg	ttttccatga	tcttatggtc	aagtcaagag	420
gacttagact	tatacatcat	tttccaacag	ctgggatgcg	attcacagtt	tggtgcatac	480
ccatatgtat	gaaaataaga	acctcactcg	gtttaatcga	taattcacat	cgagtctcag	540
attggcttgg	gcagtcttca	gtactcctca	catgagatac	tgntacaggt	gtcaggttca	600
ggtcacgga	ttgagtacca	gggctatcgg	accagagcgt	cagtgaagta	accacatctt	660
gctcacttcg	acttgcagta	accatagcga	cgggactgtg	tt		702

<210> 265  
 <211> 411  
 <212> DNA  
 <213> Homo sapiens

<400>	265	tttttttttt	tttttttttt	ttttttttct	tattcatcat	tcattcattt	60
atttgattag	ttgaaaacac	ttccgactaa	ggaagcagag	agcccacaat	cctgtgggaa		120
aacaggcctg	ggaactaata	tctcaggggt	agtgagggtc	gggccagat	cctcaaaggt		180
tccttgcccc	tgaaattgca	cctttgacag	ctgctgaatt	ccaagcacag	cgtaagtgc		240
ttacatggg	gtaaccctaa	aaaacacact	gggcctcaga	cactcccgt	cacacacca		300
acctctacc	tgtggatg	ctagataagg	gttttctctt	cacaaaggta	aatcaactct		360
ttgctctctt	agggagggaa	ggaataaagg	cattattttt	gagacttttc	t		411

<210> 266  
 <211> 441  
 <212> DNA  
 <213> Homo sapiens

<400>	266	ggttcaacag	atacacactg	attatctaac	ttatcatcaa	ttggaaggtc	tagttcctca	60
ttaaaccatgc	ttttcttatt	tcccatgtca	agttctggat	ctgtatatgc	aatgatatca			120
aactctcctg	accttaagag	gtcatccagg	ttgggatcat	tagtttccaa	attatctaaa			180
gtatccaatt	caactacctt	gccatcctct	gtatctaaat	ttaagttttc	aagatcttca			240
tcactctaagt	ctttgacttc	aacccctca	aggtctttta	catccagttc	cttcacagaa			300
gggtcatcag	aatcaagttt	ttcctctaga	ccatcagaag	gctgggtggt	tatctgtaaa			360
ttatcagacg	ttgtttcaga	cggtacagat	gttgacaaag	gagcttctga	aaattcacca			420
cctagtggat	ggttcagagt	c						441

<210> 267  
 <211> 474  
 <212> DNA  
 <213> Homo sapiens

<400>	267	tttttttttt	gatctgcaaa	attttattaa	gcaatagctg	gacaactggt	acaacttcaa	60
atcatcaaga	aaaaaataag	gagattaatc	cgtctcagta	ataaagacag	aaaataactt			120
ggacaaacca	catcgttttg	aatgcaaacc	attaatgcct	tctagaatat	ctcctgcaca			180
atctaataca	caaaatacgt	aagaagaaag	gcaaataagg	atgagctcat	taaaacgcat			240
ttgggagtcg	caacagatct	tgcttggaag	gtaaaaccag	caggatgctg	aattaaaaaa			300
caaacaaacc	aacactggag	gaactgaggt	gcacaagcag	tgacgcccac	tgccgaggtc			360
tgacatgaa	catgctgggt	gtctagtgtt	gtctggggcc	tatgcacctg	catcgtgcac			420
ttacggttaa	aaaaaaaaaa	aagggaaaaa	gaaaatgcc	gtagtaataa	actc			474

<210> 268  
 <211> 365  
 <212> DNA  
 <213> Homo sapiens

<400>	268	ttacttttag	aattttattg	acttttttct	tcataacttt	aaaacaaaaa	cagcgcatga	60
aaaccagtgt	cttattccaa	agtctcaact	cagctgattg	ccaggtgaac	atcaccatct			120
tactcctctg	aataactaga	cacaaattac	atagcaagtt	cgtgtttctg	cccacccaag			180



```

acacagccag taatcagtc caaacacaga cacagccaac tccaggggct ccagctttct 240
gcccatcttc tctcagcagt tcttcccctc tgctaagatg cgccttcctg gtggctctct 300
ctcaagggtg gtcaaggctg aacaagacag aaaagcacag tctaggtcca ccatcacctc 360
ccact 365

```

```

<210> 269
<211> 273
<212> DNA
<213> Homo sapiens

```

```

<400> 269
tagctttgca caaatatttt aaagacaaat tcagctagtc taagaacttc atgaaaataa 60
aacaggtgga taaatacttc atgtgcacaa tgcactccat cagacgtcgt cggctgggag 120
aggaggtatg ttgatccttg gccttgtgaa gaatgctatc ttctccctaa aggtctgcac 180
ttggatgggc tctttgtggc tctgccacgc agctggtaga tctccttgga ggccttcttc 240
agcatcttct cagccgcctg ctcatgacgg tag 273

```

```

<210> 270
<211> 383
<212> DNA
<213> Homo sapiens

```

```

<400> 270
tttgaacata aaaatttcttt atttaaccta atccagccag tattgagata gtttgctata 60
ttaaaaacaa gacgttttaa aaaattacag caaagttagc aaggcagtga ctaattaagt 120
cactaagttt aattttatat tcttcacagt catttcataa tcatgtaatg gtaaacaata 180
ttttcagcca ctttggagat aagttaactt ttgaaaagaa tagaattcta gtagtcgtca 240
ttgaatttta taaaagaggt ttaaaacatt aaagtttcca gaaataaacac agtaaagaaa 300
tatgaaaata aactggaaaa taaaatatac ccacccatcc gaaaaatcta catcatctct 360
ttcatttgtc cccaatgcct ttc 383

```

```

<210> 271
<211> 436
<212> DNA
<213> Homo sapiens

```

```

<400> 271
tgcagacttt ctttaccctg gcagaccata tggaaaactg gccattagtg atgtattttt 60
ctccccgggc tcttgagcca ctggcgctcca agttgctcca tctgattctt aaattaattt 120
tcatcagttg taaaactctc aagtgtgcac aagaatgagc ctgtcttccc gtgtgaatgt 180
gtaagtacag aaagaaggtt ttaaatgcac atagacacac actcttcaac tgccatacga 240
agcgtctgct tccccagtc tttcaggaac catcagatta ttacgggctg ggaggccctg 300
gagtccttaca aatctgagca tgggtggtggg cacctgtaat cccaacttac tccaggaggc 360
tgaggcagaa gaattgcttg aaaccgaaaag gcagagggtg cggtgagcca agatcgcacc 420
actgcactcc agccta 436

```

```

<210> 272
<211> 355
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> n=a,t,g or c

```

```

<400> 272
acaattctcc gcagatttta ttaattataa cttttttttt cagacgtcct gccatcttct 60
cattcagact tttcttagca aaggtagctc atggcaagta atgaattccc agtaactagg 120
tctgtaacag aagtaaattc tgtttttatg tttataaact caaaaagtaa catgaagtgc 180
aaacaccttt agttccttcc cctcggtaac cttcttttga tgaaccagtg tgcagcaaac 240
caggatgaag ttggatttgg gtgggatcca cacaggtcat ttccaggcaa gatgagactt 300
cccaagttcc atgnatagat tcatattatc agttatttta tgcattcatt tctcc 355

```

```

<210> 273

```

<211> 256  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 273  
tctgatanct atgtgaaaat tcttttcaaa gtaggtaaaa gccatcacta tatttcaaag 60  
aggtcacagt gacatcatat acaaaaggaa ccagattgaa aaagatattg ctgacatagc 120  
cagtagtgag attactaaag antaaacaga aatgccttgg gaaattattt ttacaccggc 180  
ttgaattgaa acattaaagc aaaatgaaag ctgtaaggng ttcactagtt ttcccaaag 240  
cgttgtcaag tttatt 256

<210> 274  
<211> 433  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 274  
tttttttaaaa acttttattt tagattcagg attacatgag cagatttggt gtgaattcta 60  
tttcaattaa catttagatt aggtatcatt tgaaaactgt tagtatttta ccaacattct 120  
gcatttcttt cttaagatac aaagtctgta ggagtctaatt tctgataga aaaaaaaaaat 180  
gtgggaagga tactaccacc tcccatcaat tcatgttctt ctacttatac tgttcaaata 240  
tggaatgtc cctattctcc tctgtccctt tcaaaccaat tcaacctaaa ccaaattgtt 300  
aaggtgccct taaaagggca aggaccatta tacctatttc aggctggggg gnccaattna 360  
aaattgggga aagggatcct tagggntttt ttccctatg gcctttcccn ggaaccggga 420  
ggggggggat tat 433

<210> 275  
<211> 345  
<212> DNA  
<213> Homo sapiens

<400> 275  
tttttttttcc taaggctcta cttcaaagtg ctggctattc aaccaactaa tctgaatagg 60  
tatttgatg gtgaggtaaa agctatttta aggtctgttc tcatctcact ttaataagg 120  
gaaaaaaaaatt gccatagtga ctaaaaatag ttcaactgtc tgaaactcaa tgctgtttg 180  
ccaaaacaat attaatgatg catattctat gcattttttc cccaaatatg ggcactgtcc 240  
gtgcacaaaa ttcaggaatg ggaaccacg agatatttga aataacacca tcctctttac 300  
atgggttaaa aaagtcaaat ggaatccagt tacttttaatt taaaa 345

<210> 276  
<211> 331  
<212> DNA  
<213> Homo sapiens

<400> 276  
tttttttttg atgggtggtg tctctaatat ttatttgtct gggtataaaa ttaatatgtg 60  
aggagcattg gatttggtga gaacgttttg aaccctagct gtcacgtgcc acctgcggga 120  
tctagaccag tgacttctca gaactgccat ttcctcatct ggtagacagg atggtaagcc 180  
ctgtcttgct cactccacgt atgggcagtg cagatgaaat gagatcacag aggggaagca 240  
attggcaggc tggaaagtgc tgacaaatgg aaggggttgt gtcaccaccc tcagctgagg 300  
tagtaccaag gtccaagctc ctgcccctcc c 331

<210> 277  
<211> 274  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 277  
nanaactgat agcctagcaa taccctaaatt agaatttggt ggctatcaat aaataatatt 60  
ttataagcaa cagaaacatt taaaaacttg gaagaattgt gataggctag ctaaaataca 120  
acctacaaaa taatttttgt aaggccaggn acagtggctc atgcctacaa taccagcact 180  
ttggnaggc cgaggcaggt tgtattgctt gagcccaggg agttcaagac ctgcctgggg 240  
caacaaaagtg aggaccccgt ctctccaaaa aaaa 274

<210> 278  
<211> 417  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 278  
gtaaacactt tgcttttggt ctgtgtctat actggcatct caggagagt agatatccag 60  
acctgatctt cagaagcact atgagccagt atccatcggc gccactgat agttccagag 120  
tgaggacagt gtcacagct agaactgacc gtccccacac ttcattctcc tccagggnct 180  
tcctgctgac accaggggct cctcaaaatt actccttcct tcacacatgg gtgacaaggg 240  
ttctcaaaaa gaacacctgg gcagagatgc ccactacagg caatgcttgt ggggtgggcaa 300  
gaagcataaa agaaccctaa tgnccaaca ccaggggaat gggattaang ccaggggggt 360  
acccatttgt aaacaaaaac aacttccaaa acccaaccgg ttaaacnggg ggaggtt 417

<210> 279  
<211> 227  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 279  
taaaaatttt tttccactac ttttaattgt cagccttttt ttttttttta aacaattctc 60  
tgtgccatgt atttaattct cacatcatct ccaatactgg agatataaat tgcatagaga 120  
ctgttagaga gttctaattt gttttatgca tgttttgcaa atttgactcc atgaaagggc 180  
attngaattg tgacttngtg tgcaagcatt gnccatgnac ataaaaa 227

<210> 280  
<211> 454  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 280  
agaacttttg agtaaaaaatn gtctctgttt ccaagacgtg tgagatgtct gaactctgag 60  
atgggtgtttc atctccaccc gatttcacca aaggggtgtc aatatcttta aagaactgat 120  
cttcagtagg aattgggtgag gtggcaaggt aagcaggaag cttttcatat tcttcttcag 180  
tctcctcaac aaagaaagct tctccgttat caccctaat catgtgaaga tccactgcac 240  
tgccgttgat ttctatatca atcactttct ctttgggatc tcagggactc ccagctttcc 300  
caaaccgaa cgtggaaaag ggtgaacact ggatagcctg cccatcctgc tgctgtaccc 360  
acggatggac atcaaagca cccagagagg ggtggcctgg ggttaatgcc cttgtaggag 420  
ttccttcaca gtgacaatca cttgcccag ccan 454

<210> 281  
<211> 112  
<212> DNA  
<213> Homo sapiens

<400> 281  
ttaagaaata agaaatacat atatattgaa aaagtgataa atgtaggtat cctgagattc 60

tcaactataa aaagaacagt aatagcaatt tgaataatac acataaaaatc ct 112

<210> 282  
<211> 444  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 282  
tgaacaataa tatctttaat ataactgttt ttgtgtgcat agaaatcata taagtaaata 60  
aaaaaaaaaca acaacatgag attacatagg tggttataat acaaaagtga gaaaaaagct 120  
agtgtctgag tattgcatcc tggatataat tccctgatat atggtaaagc ataaaagaga 180  
cctatttctt caggagagta gctgacccac ctcagggcca tgactgctct tctctttccc 240  
cacagcctta gtactttttg ccaaaaggcc cagatttgag taaaggggaa cgccgtgagc 300  
gtaaggatcc gggcataagg gctgcagtct gttgagcttt ggcaggttgg tgttcgggga 360  
agtaaatttc ngaaggaatg ggttcctncc ctgntgggtt gttgggttgg ttgctgattt 420  
tccnggttgg gtaccaaggc gcta 444

<210> 283  
<211> 193  
<212> DNA  
<213> Homo sapiens

<400> 283  
tggtctactt ttaaagatat ttaatgatgt ttttcaaatac agtacaaaaa tttaaataca 60  
aaaatgattt gctattgaca agtctcaaata ctgtcatggg aactcaaaca agttaccagt 120  
ctgttcaccg ttcattgtat tctataaaaat atttgataac agtcacccac tacagacatt 180  
cttttcccct gtg 193

<210> 284  
<211> 217  
<212> DNA  
<213> Homo sapiens

<400> 284  
taattttcat agatcaattt atttagaatt acaaatatta agaatagaag atttatgcat 60  
ttcttaatta acataacagt ttagctaaat ataaactctg cactaaagtt ctgcagtggc 120  
acaataccaa caaagaatac ggaagccttt ttaaactata caaaaatttc aaatggaaaa 180  
taatcttggt tcagttttat tatacatata catataa 217

<210> 285  
<211> 176  
<212> DNA  
<213> Homo sapiens

<400> 285  
gtgatttgcc aatgcataac agggtttcaa gtttcattaa tgaagggact caatcgccca 60  
gaacactaat ttcccttcca aagaagagaa caacgaagtt tgtgaaaggt gactcttccc 120  
ctcttgacc gtggaattca catttcatat tcttgatata aacaccagt gaaagc 176

<210> 286  
<211> 474  
<212> DNA  
<213> Homo sapiens

<400> 286  
gcttaacctt tttttctttt ctgcgttttt tatggtggcc agagtgtctt gctgtactaa 60  
ggctctgaata atatccatta taggaccatg atctggatct ctgagacaag cttctttcat 120  
cccacggct tgaacagggg tcaactaaat tatctccttt actccatttt tctccactag 180  
gtgggtctata tgctcttaat ctctgcattt cctctttcca gtgaggagga gtttcactgc 240  
tgtcatcatc atctgactca gaacaggatc ttgatcttgg aggtgtgtga tagcgaattg 300  
tgcccttccc tttaatcttc cgtccagact ttgatacaga tggtttctga tcacttacia 360  
tgggtgcaac atcaggaatc ttcggttcag gttctgcagt aacaacaggc atatctcttc 420

tcagtaaaaa tcggtttctca ggcactggag gaatctcttc tgggcgggac acag 474

<210> 287  
<211> 481  
<212> DNA  
<213> Homo sapiens

<400> 287  
gtcatgcaaa ttgattttat ttgtgaaaag attaagaagc cacagtaaata gaaaggaaac 60  
ggttatttaa actgctccct tgatagtcac aattatccag ttgaggtgtt tctttgagag 120  
aagaatatag acaccaggcc caccagggtc tccgcattta ttttcaaggc caaaggaaag 180  
gaccctcgg aaaacaccct cgcacaacaa agggcttcca gaatctccat tgcacgagtc 240  
tcttcacact cggaggcttc cagcacaacac catattcatt ccaatcacag ggttaaaatt 300  
atagtgattt cgatcattgc agacttttct gtctatgatg gtgatattga cttctctcag 360  
agtatcggac caagatgcac tattgtgagt cctgccccac cctgcaactt ggcacatggg 420  
tcttggtttc acatcatccc ctttttaggt agatgaagga tagtcacata tttgttaatt 480  
t 481

<210> 288  
<211> 412  
<212> DNA  
<213> Homo sapiens

<400> 288  
ttaaagtgtat aaccttaaat atttatttga gaaaacaaat aaagatccaa atacgtgagt 60  
tgatcatctg ataaaagtaa gagttgacaa aaaaggtaaa tcttctccaa tccgaaaaca 120  
gaaagtggga aagatcaagg tatcactaga ggtcaatgaa acaaaacata caatagtggg 180  
tgacaaaagc caatctctga atctttgaaa agaataaat aaatgaacat ctgaaaccag 240  
tgatcgagaa atgttttaga taaggcaca aaagatacca agaattgtta cactaggctg 300  
tacatcctaa aacagtcaga tgagctcact gttataattc tgggttcaccg caagaacctt 360  
agcacaaga aaggactcaa caaacatttg gatccatgaa taaaattatc tt 412

<210> 289  
<211> 502  
<212> DNA  
<213> Homo sapiens

<400> 289  
tttttctttt taagcccagg ctttattcca gcctcttttt gaggaatttg actgaaaagt 60  
tcctctcctc tcggctgatg cgccgtccca tcctgggctc ctagtgtagg gctcctaccc 120  
ttggctccag caatgctgat gatgaggtgc tggggctccc gaggaacagg ggcctccagg 180  
aaggaaccgg cctcagtcga cgccgtccag ggactgtggc tctgcctctc gagctgtagc 240  
acctgatttt ctatgcaccg aaactgccaa ggccagcttg tgttgtagag aaatggctgc 300  
agatcaaacc tgttgctctc agggctgtag ttctcggcgt ggtaccgggt gtgagcgtgg 360  
tcattctgtg tctgttcacg gactacttgg agaaaaaccg cttcactttg tcagcgacct 420  
gtcttggggg gcagatgtgt ctccacatgc cgaggagttt gcagaacatg ctgtaagggc 480  
ccattctggc caccttctctg ag 502

<210> 290  
<211> 289  
<212> DNA  
<213> Homo sapiens

<400> 290  
ttttcagtcga cagaatgttt tatttttaaac ttactgtaaa actttcaaata acaacacatg 60  
tggaacagaa acaacagttc acacacaaca tctgccacaa ttctctttga actgccattt 120  
ctattatgtg atattttaca atttctttca atttcttaca ttcatgggat tcttaaaggc 180  
agcaatgtca atttttctgc tttgaaaata gttcagttta tgttctgaaa ttgcttaaca 240  
tgacattttc ctttttagtat tctactgctg cccacactga cataattca 289

<210> 291  
<211> 398  
<212> DNA  
<213> Homo sapiens

<400> 291  
 ttacaaaaga aaacacaaaa ccagaattta ttgaaagtag gtaccagctc tgattagaac 60  
 aatcagctca aagataccat tactcagaac aatatataca aaaatctcag ggaaaggaga 120  
 ataaaagaac ttaaaagaat acaacttgaa caggactgtt ttactaaaat ggtcttggtg 180  
 caaaataata acaataacca cagagagccc tacatgagaa agccatgtgc cttcaagcct 240  
 ggggatgagg actctagttc tcaaattctt agaacatagc acatgattct ccaggcagag 300  
 aggctggctg gagaatgagg acctcactgc tgactctgct taacaaagtc catgccccag 360  
 gcacaggcac acatggaatg aggccaccaa gcaagtc 398

<210> 292  
 <211> 421  
 <212> DNA  
 <213> Homo sapiens

<400> 292  
 tcatcttttt gttcactaat taatttagct gtgatacttg gagtatctga cactctgtca 60  
 agaacatctg ataatgttgt tgagactggc aaatgaagag tacggaattt gtggcctgct 120  
 ccatacattg gatgctggat gacgtggcta gtagcattaa ttctaccttt gtacagtgga 180  
 catggagact gaagaaacat tgtcactttc tcatcttcca gcatcaactg taaaaataat 240  
 cttcgtataa accctgaaat gttcccagat gttggaagggt tccctctttg aggagatgtc 300  
 tgaaatagtt cacaaagaac ctgtgccatc agcttttgat tattaggatg gcatgaaatg 360  
 cactgtagaa agaacgcaac agttgcattc tcaattgctg tgcgctgttg agtagtcagt 420  
 c 421

<210> 293  
 <211> 418  
 <212> DNA  
 <213> Homo sapiens

<400> 293  
 tttttttttt tttttttttt tttttttttt ttgacaatga gaaaaaattt tatttatgac 60  
 gatcttgagc agtataaaac tcagaagctc cactgaggtg aaggaaacat ggacatgata 120  
 ctaagcaaag ctagtctttt tccataaaat gaataagaag tacatttggt ggagtttgag 180  
 accagcctgg gcaacacagt gagaccctgt ctctaaaagc attaaagcat taatcctcgc 240  
 atttcgatag ggctatgtag cttttaagta agcaatgtta gaatgagttg tagagtttta 300  
 tttttgtgaa tatagttagt gacagatggc aattacatga ggatatttga acgaaggtag 360  
 ataagcctaa acaatttcac ctaggtaaaa tattgatgtc ataaccacac tatatggc 418

<210> 294  
 <211> 273  
 <212> DNA  
 <213> Homo sapiens

<400> 294  
 tttttttttt caaaattaaa atccagatca tatttggaag atagacaggg aatgcttcct 60  
 aaaactgcct tgaaagtaaa agaaaaaaga cttgtcacca tctttggact gctccttta 120  
 aaaaaatttc attaatataa aaaatattga gtgcttacta tgtgctaggc attgagctag 180  
 gagaaggcta tgtggctact aacaggatac acatgatcca tattctgatg gtataaaaag 240  
 taaaacagga aaaagaaaca gactgaaaaa tat 273

<210> 295  
 <211> 182  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 295  
 gatcaaaatt gaagacacat tcagaggttt gattgggtga gattaactgg tgtgggtggt 60  
 ggtgtatgta tgttttnttt tnatgtcttt gtatgtagtt ctacataatg caaattgtgc 120  
 tttctgatgg acaagacctc ataactgtga ttaatatcaa taaaaagggg atgttggtga 180

aa

182

<210> 296  
<211> 211  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 296  
gatgtaacat ttgttatttt attggaaaaa gctgggtatta acatatttat agttttattc 60  
aacaattggg taatttgtga gacaccaaag aaaaaaagaa tgcacctatg agttacagag 120  
tccaaactga tcagggctga caacttgacc accatgtntc ccacaccacc acccccacca 180  
ccaccaccac caacagcttc gtcctcagag a 211

<210> 297  
<211> 407  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 297  
tagagacggg gtgtcaccat gttggccagg ctggncctcaa actcctgacc tcaggtgatc 60  
cgcatgcctc agcttcccaa agcattgtct tttattttnt attgttattt tntcaacatc 120  
taagtattta ttaagggtgag tttttacaaa caagcatcta tcccagtggtg cgggggtgagg 180  
atgggagagg agagtggggc agcaggaaga tgaggattct catcttttga taataaagct 240  
ccagggttca ncccattgtg gatctcatag tccccagag acacatgggc cttaaaaatt 300  
gtgtaccact tcttcaggac aatcttggtc caacgggggtg ccagtttagg gctgcaatca 360  
gcttcttaag ggtccccgat gggnatcanc cctgttggca tttaacg 407

<210> 298  
<211> 445  
<212> DNA  
<213> Homo sapiens

<400> 298  
ggactctctc aactgttggt tgctcaattg tcggtacaga taggtaggat tccagtctgg 60  
agaaaccct aaaccactac accctgcctc agagtaggga agaattttca gtatgtatgt 120  
ggagacaggc tggattaggg agccttttga gtggcttctc taggatacct ttcttgctaa 180  
catgagcaag gttccctcc aggctgata aagcctgaag aggttagtta tttccctact 240  
agttctggaa gcatcttaat tcatgccacc ataggaggct gtcttccctc gtcctccct 300  
tgaatcacca cctagatttt aagttgcttt tctggagttt gatgatggaa accagttcct 360  
gtttcagggt ccagaaactt tttttttttt tgagattgag tctcgtctct tcatgctgga 420  
gtgcagtggg gcgatctcag ctcac 445

<210> 299  
<211> 544  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 299  
ttaattttaa gaaaacttct ttattaagta aatggacagt tgggtacacag atattgcaaa 60  
aatttcgagg cgggtacatg aatgactgaa attcaggaga cgcggggagt tagcacagaa 120  
gcactttcct cattcagagc tcttttggtc gcgagaaaca gacacccaat caaatcagct 180  
tcancaaaat gagagaatgt atcctgacaa gggacgctca cagggcctaa aggaagagtg 240  
ctgggcccct ggaggactga ggggaagccg cagtcctctg aggcgggtgcc ggctgctctc 300  
caggcgcttg tgattcctct ggtccctgcc ttgctatgag tatcttccct ctgagcagag 360

ccattttctc taccacattc atgcaggtgc ccatcccccg gaacacacac agacaaacac 420  
acacacatgg acacagtcan agctccaggg tttctatgtg ttcaggttaag ggancctgcaa 480  
agcctgaaca gcctccctaa atctagatgc ccancctttat cctttcagct ccatcagang 540  
atca 544

<210> 300  
<211> 448  
<212> DNA  
<213> Homo sapiens

<400> 300  
caaatccaga attactttat ataaaagtac acattctaata atatgaaaag atattttatc 60  
attattactt tactatata tactgaatac accagactgc attttctcaa atggcaaagt 120  
aggcacattt ctctttgatt cccccaggaa cctccgcac atctgtcttt tggaggattc 180  
agattcttac gacatctgtg ataccgtcca tgaggatacc aacggtgctt agtagtaaag 240  
aacattttgc taagttgttc tatcataggc ccttcctcaa ggtgttcaac tttttcttcc 300  
aatctggttt tcagcacttg atcatgtgtt tcttcattat tatgcacagg atctggccga 360  
gggatagggt ttgtgtgttc atatggaatg tccacagaag ggtggttagc tactattgtc 420  
ctgccatcag aagtcagagc aagctcta 448

<210> 301  
<211> 447  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 301  
gtgattaaca ggacttttat tggtagtaaa ctagagcaaa caatcagaat aatacatatg 60  
cagtattcag tacacacaat aaaagttaaa gaaattcaaa acctgtataa aacaaactgg 120  
agaaaaatca tacagcttaa gagatacagt ggtaaagggtc ctctccatcc tttgattaca 180  
gcttgacttc tgtactcaat agaacttacc gcacttactg aaataagaaa taaacacttt 240  
ttagtactca gcgtatttaa gattaagtac attttctaag aatcttgcaa tgacaagttg 300  
gtgacccttt agctgctaaa gctaaagggg ggaaagtggg aaaaggaaat taactaatac 360  
tttgtaacca tttttaatat ttentatttt ccaaactctg cttttataac agaagtgttt 420  
tacacttggt acaatattaa ttacttg 447

<210> 302  
<211> 282  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 302  
ttcgggtgtt gtgtctttat ttggagacca ggagacagat tacagcttaa tgagaggaac 60  
aacgactaag tgatctgatg ggaaggggtga gtttcctggc ccttaggaag caacagatgt 120  
gatttctaata caacaaaaac tagtaagtct ggaacttttc agacaggaag ctgagaggct 180  
accaaaacta aaagtgaag tgtctgccat caatgtgtaa gtctaaatta cnaataaata 240  
cattaataaa gcccnaaca ggggtgacaa aaatttgtaa tg 282

<210> 303  
<211> 210  
<212> DNA  
<213> Homo sapiens

<400> 303  
ctcaaaaaca tcttttattg attttgtggc aagtactcca cagtcaataa ctgcacatc 60  
tgcatatggc ctgcttgcat catcggtctt cagattttca atttggtcga ttacttcaaa 120  
accagaaata accagtccaa agactacatg caccatccagg aggtgtggag caggctttgt 180  
ggtactatgt aataaacatc aacacaaaaga 210





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<400> 308
ttttttttgt tttctacagc accaaagaaa ttcaaataagg aaaaggagag ttgagaattg      60
ggaatcaaga atcagccctg tttccatctt agccacacca acttatatct ttatgatttt      120
caaagctttt gccatgtgat tctgccccca caaaggcatc ggtatttcct aaatggtacc      180
tgtatatgca gcgttggttt ctataccatc cttattcaaa acttgcattg ggcacaaaat      240
gggttggtgg gcaccaaggt atattttctg ttgatttgat atgttctttg tcttaattct      300
aggccaagga aaacaaacag ggaccaactt caaatccgaa cttctggatt ctgatcacca      360
aaggtcattg atccatggac atcaacatag gggacttggg tcaatttttg ggggtattgg      420
atttccatgg acagtttttt t                                     441

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<210> 309
<211> 450
<212> DNA
<213> Homo sapiens

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```

<400> 309
ttcatttttt tgtgtcatca aatctcatga tcagtttccc tttaaagtta acctggtagt      60
gctggttcag aagagcagct tttgcatgcc caatgtgtaa gtaaccactg gcctctggag      120
gaaatctgac ggtaaccttt cccatctacg cacctggaag ctcaacaaat ttcccaacat      180
cttgcttttt ctgagtggtc actcgagctt tggttgttga aacatccacac ttgggtacct      240
actgactgga aggcctgctg ggcttcaaga aagccaaacc aacgttttac atgaactggg      300
agctttcttc tgtttcaact gttcttgcca ggggagccat ttccctttta ggggggtgggc      360
cccaaacaca ataaatcctg gcttaaaactc aaggagggtt tcccaactaa ggtatggttc      420
tcaggaggac agggcaatgg attgaggttt                                     450

```

```

<210> 310
<211> 488
<212> DNA
<213> Homo sapiens

```

```

<400> 310
tttttaaaac ttttaactaa aaagtaaact ttaatgtcga aagtgcacaa ttggggaagg      60
cagaaaacat cacacacaag gctgtcactt cacacttgga aggttgacac gcggccgggc      120
agaggcgctc ctcaactgcc agacgggggtg gcggccaggc agaggtgctc ctcaactttc      180
acacggtgtg ggggcccgggc agaggtgctt ctcaactccc agatgggtgct gggctgtcgg      240
actccattgc tggatgtgtg acttgggttt aagcttctcc cttctgctct catctggaaa      300
tgctgacagc ctgggcattt cctcctttgg cactggagac tgaagcctgg caaggcctgc      360
cctcagcagg aactccccct gggccccact ctgtgacctt gagcccaaga caggattttt      420
cctttacctt cttccagcca ctttgggcct cccggctctc tcagaagccc tgttaggtag      480
gtgacaac                                     488

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```

<210> 311
<211> 390
<212> DNA
<213> Homo sapiens

```

```

<400> 311
ggctttcata attatatttt tcttttaaag aaaaatatca acccattgtc aatgcactgt      60
ttttcaaagc atttaaatag agggtaaaac cttttggaaa ttaatacaga agaaatgatt      120
cactttatgc ataaaaaata aataataata tagctgagac atgtggtttg cttctgctct      180
tgaagatgtg aacagcttct aagcattcat tttctctgac ccatacaaca gcttctcagt      240
gatacagggt ttaatttaaa cacatacaat gtccaccccc aaaccttctg cccacatcta      300
caagttttat ttattttgtg ggttttcagg gtgactaagt ttttcctac attgaaaaga      360
gaagttgcca aaaggtgcac aggaaatcat                                     390

```

```

<210> 312
<211> 484
<212> DNA
<213> Homo sapiens

```

```

<400> 312
tttttttttt ttttttaaag gcaacatata aactttattg aacaaaagta aactgtttca      60

```

```

gtaaactcaa acaggcactt aagagaaaaa ctgactggaa gaacttttat cttaaacatc 120
ttacagtaac ctacttgcag ttgcatttaa ctgagctctg ttgctgtgaa gaatacagct 180
catgcacagg tatggatgaa agatttgtac atttctcaag tattcactga atactacctt 240
atatacacat atacattaaa tttgaaaaag atttgacgat cccagataa acttcatttt 300
tgttgatctt ttggaagagg tctgtctaaag agaagaatat gtggttctgg ctcatgaatc 360
atggtaatga acccagccta gactctgttg gacaccaagt ctctccact cctcttcaga 420
catcagatga gttttaggta cttgtttgga aagttctctg gggtaacata acatgccggt 480
acta 484

```

```

<210> 313
<211> 287
<212> DNA
<213> Homo sapiens

```

```

<400> 313
tttttttttt tttttttttt ttctatctgt gaaaaacatt tattctgaga atctaaaatc 60
tggaacaaagt actggacttt agaaaaagcc tacacaaaat tgtctcattc ttccctaata 120
cattaataat ctaagaataa ggagggtgaaa aaacccttt aaaaataaca ttgctccagt 180
ttgtctgcag gtatgtgatt taaaatatcc ctgttttatt gaggtatagg ctgcaaactt 240
tggtaaaatt aggaaaaatt aacaaaccct ttcaaaagaa aaaaaat 287

```

```

<210> 314
<211> 401
<212> DNA
<213> Homo sapiens

```

```

<400> 314
tttttttttt ttttcccgca gtcacaaacc attttattac ccacattgtg ctgtgacagg 60
gaggggtctc caatgaagag gacctagcac tgggaaggta tagccccaga agagaagagg 120
cttctttctc actgtgaggc agaaacaaat ttatctgtat gtaaaccttt ccagtaatgg 180
gtgatgctgt gacacctgca gaaagcagcc tccctctgtt actactataa acaccattc 240
tgcaggcagt gtgagggcac agccttctgg agtgccacac ctgggtacca cggcacactg 300
gtgcatcccg ggaagatgtt cctagggcac cacatcttgg gtaccaagag gactgtgtgc 360
atccaattag accgagggtgc aaaagccaat gcgtcaacat c 401

```

```

<210> 315
<211> 533
<212> DNA
<213> Homo sapiens

```

```

<400> 315
tttttttttt tttttttttt ttttttgagg tttaaaaatc ctttattaaa aaaccccaaa 60
cggaaatgtt ccaaaaaaaa taaacacggt tctattaaca tatccatta atcctattag 120
ttggaataag atttaaagcc caatttgga aagcttgcag aatttcttcg gaaattccta 180
aaaattacgg taggcaaaaaa cttacaaaaa catatgctat cccagggcgg ggaaaggaaa 240
aaaggggaag gggctacaaa ggccccgggg gcatcacctg cccacctggg acccaggggt 300
ccgggaaact gtcccgtaac gggaaaccta cggggatgta aagggtccata agttacaagg 360
cttttttggt ttaaaaaaaa aaaaagggtc gtactttcca ggccaaagggt gaaatggccc 420
aaacaccct taacgctttc aggtcccca ggccctccat tggggtggga ccccttagga 480
acaatttcgg ggtacaaact ttcccgaat ttaggcggaa actgtccggg aaa 533

```

```

<210> 316
<211> 384
<212> DNA
<213> Homo sapiens

```

```

<400> 316
ccgtgtcact tctcacttct aaatagctct agacttggtc ccattgcact aacttaattc 60
actctccatc atctttggct tggagtacaa ctccgtcctt ccatctaata tgcctgtctc 120
caatcgttct cccctttgat gtgcagggca gccactgatc tctctaacaat ttacagaaga 180
atgcaccact tgggttggtt aaaacccttc aatggcttcc cattgcccc agttcaaact 240
ctgcaatgtg gcctacacat ctctctagct tcacctcctg ctcaatatcc tacagcacag 300

```



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<211> 225
<212> DNA
<213> Homo sapiens

<400> 321
ttaagaaaca agcggagggg tttattatag ggacattctg aaaccacaac ggaaaagatg    60
tccgtacagg tggatgggga tggagatcca gcgtcggagt acacagactt cagggggcct    120
cctgcctggc acgttcgttc gtctcccgtg tcgccgtaag accctgagac cccgagcctc    180
tgcaggagag acgcacaaag aagcctcctc cctgtggcct ggctc                    225

<210> 322
<211> 253
<212> DNA
<213> Homo sapiens

<400> 322
taactcccag tcacctgtt ttatttcaac catggagaaa agtacagagg aaaggctgca    60
tatggagaga ctgtcgggct gacggtgtca cagcagatcc gagtccacgt gtggaaacag    120
cagccgcccg gccctgggtg tttcctccag gaaaggcctg gtcagtgaat gcctgcaggc    180
agcaggggtg caggaatcac ctgccgatg ccagcgtctg tcttgtctgg agggccagac    240
tgtcatgaag tca                    253

<210> 323
<211> 345
<212> DNA
<213> Homo sapiens

<400> 323
gggttaaata tttattaggt ttgttttaac caggaataaa tacatgattt agcaaagtgt    60
aatgcttccc actgagaaat ccctctgggt gctcccaaaa tgttccaatc acattcgtca    120
caacggaaaa caacacataa gatactgtgc agacatctgg agttcagggg gtcacctgcc    180
ttatgcgggg agtcaatgtc cacagtgtta cattcatttc tcatacgttg gctgggttct    240
ttgaaatagc cttttggaac ggttggggaa accacagatg tctccttgta taaacacact    300
agaatctatg atacagaaaa ctgtgtaact gcacatacac atacc                    345

<210> 324
<211> 382
<212> DNA
<213> Homo sapiens

<400> 324
aattcctttt tagctcattg gctatcctta gcgtacatta tgtatggccc aacacaattc    60
ttcttccact gtagccagg gaagccaaaa gattggacac tcttgtttta aatagactat    120
ctttttaccc ttttatttgt tccaactcag gataaatatc caagtatcta gagggctctat    180
gtgtgctatc tatacaataa aagatagtta tataaaaatg aagagttctc cataccatta    240
tataaacagg aggtttttaca ggcattagtg atactctgtt ggactcaatg ggtttttttc    300
tctcttatag ctatgaaaga ctttatgcca gtccaaaata tacaatgttg aaagacaggt    360
tttgaaataa atattctccc ca                    382

<210> 325
<211> 519
<212> DNA
<213> Homo sapiens

<400> 325
ttttttttta atggtttggg ctgcaaaacta gtacttaggc tttcagcaac ttggcagtgt    60
ttgtctgatg cagatactgc acccagtttt aaaaaaggct tattactaaa taaactagtg    120
aagttaacaa ctgaaggagt aatagtatga atgctggatt cagaagtcaa acttggtttt    180
ttccaaggg aagagcttat tcttgggaata tctatatggg tagtttttga atcatttacc    240
tctttatcaa tccctttaca ttcaatactt atactatgac caactgacct atgaccaacg    300
ttcaagtggg tactttcaga agtaaaactg ttctttccaa cagattcaga aatttcttcg    360
attagttctg tagtagaact taaaagtaat ggattaggag ccaactgtga agaagtttca    420
gggggacttc tgggttaaagg attaacagat acagtaggtg atggggaagg gaagatgctt    480
tccccaagtg cccgaagggg attaggggta aatacccca                    519

```

<210> 326  
 <211> 393  
 <212> DNA  
 <213> Homo sapiens  
 <400> 326  
 aaattaaata aacttttatt ttggaatgat actagattta cagagaagtt gcagagatag 60  
 tacaaagagt tcctgtatac ccttcaccca gcctaccca aggtcaacat cttacatcac 120  
 catggtacat ctgtcaaac caagggactg aaattggtat attaactaaa attcagactt 180  
 ttttcagatt tccaattttc ccaactaatgt cctgtttttg ttccaagacc caatccagga 240  
 tgccacattg cactgaagac actctccctt ttcaattcta ttactggtca cctcagtcaa 300  
 ctttcccggg gaaagagaat gcatgggaaa agctcttgtc cttattattg aactggagaa 360  
 actgaggctt aaaagtgccg agtgaccaag ttc 393

<210> 327  
 <211> 277  
 <212> DNA  
 <213> Homo sapiens  
 <400> 327  
 tgccgtccyc cycccagsgt gcctggcatg gtgcgagggg agcgggtbcc tggagtcccg 60  
 gtgacaccac ggggcacact gagggagctg aggagccggg gccgcgcasc tcctggdtgc 120  
 tcagcggatc gtgtacttkt cccacttctt ttcagggctcg taggggtccc agcggctggc 180  
 gggaaagatg tgcttkttct tctcgtacca gctcctcagc accaccttgc ctgcatgggr 240  
 ctcaccttc tccacagtgg gsgtcactga gcaaccg 277

<210> 328  
 <211> 204  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc feature  
 <223> n=a,t,g or c  
 <400> 328  
 actggagtct tctgagatct tattaatgt tttatttctt aacattccta catattaata 60  
 aatgtcctat ttcttaacct gatagtgggt acatgaatgt ttatnattct gtaaatacata 120  
 ttgtgcttat gaatngtttc acaattaaana aaaaaattca tcccacctat tcccnttgcn 180  
 caggttccat gctcattaaa gacc 204

<210> 329  
 <211> 410  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc feature  
 <223> n=a,t,g or c  
 <400> 329  
 ctcataaaca annantttat taaantacat gttacataaa agaacatata aatggaccat 60  
 taaatacatt cagtttattt taaacaaatt tacatagata cttattttaca tttctccatt 120  
 gtattcttaa attatttttc caagcttact accgataaan ggtaatacaa tgatcatctg 180  
 ctcacacaga tgcatagaga agttgtccac agggctnagt aaagcaccac ttcccagggt 240  
 nacacngctt attagatctt ccagcaacaa ctcattgctga aggtgctctc ttctgaggca 300  
 gcccttgagg gtgaggcttt tgcttttagga ggttgctggg ggggtggggt ctgagggagc 360  
 tgaccggggg cagcggatgg ggtccttgct gntttgaccc gacttgggac 410

<210> 330  
 <211> 319  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 330  
 tttttttttg ttgagcagtt gtttattctg gccctcacag ccttggtagt tccacaaagg 60  
 ccctggggat ggggaacagg ctacaggaac ccacctgtct tcctggtcag gggccctggc 120  
 ctagnacagc aggccaatcc tggtngggca caggggtctg tgctgttgge tgcctacctc 180  
 tgaatatcct ggccagcaag ccatgccttc ccgcccctg gggccctggga gccnttnagc 240  
 tcctntcccc ataatgggtc ctgggcctag gatgagggga aggtcccagt ttctttagg 300  
 gtnttatcta ggggtnctg 319

<210> 331  
 <211> 348  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

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<210> 332  
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 <213> Homo sapiens  
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 <223> n=a,t,g or c

<400> 332  
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 <211> 353  
 <212> DNA  
 <213> Homo sapiens  
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 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 333  
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 <211> 195  
 <212> DNA  
 <213> Homo sapiens  
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<223> n=a,t,g or c

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<211> 295  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n=a,t,g or c

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tgtaatgtac atgatttgac cctgaatatt ctnttcgtnt tncacttcaa acatcatttt 180  
ttaaaaaagta acataaacat gataaggact gcaacattct tcatatatct tngtctcat 240  
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<212> DNA  
<213> Homo sapiens

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<223> n=a,t,g or c

<400> 336  
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gaaggagaac agaccanagc c 441

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<211> 437  
<212> DNA  
<213> Homo sapiens

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<223> n=a,t,g or c

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<210> 338  
<211> 178  
<212> DNA  
<213> Homo sapiens



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<213> Homo sapiens
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<212>      DNA
<213>      Homo sapiens
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<220>
<221> misc feature
<223> n=a,t,g or c
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aggaagaggc	aaaggctggg	aggaaatcag	ctgaangctg	ggcgccctag	accagtcac		420
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<210>      341
<211>      366
<212>      DNA
<213>      Homo sapiens
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<220>
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cccactgaag	tgctcgggat	gatggcggat	cctgtagcca	gtgatgggtgg	ctcgaggagc		300
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qantca							366

<210> 342  
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 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> n=a,t,g or c

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 <212> DNA  
 <213> Homo sapiens

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 <211> 382  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> n=a,t,g or c

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<210> 345  
 <211> 404  
 <212> DNA  
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<400> 345  
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 <212> DNA  
 <213> Homo sapiens

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<400> 358
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<210> 359
<211> 2439
<212> DNA
<213> Homo sapiens

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<210> 360  
 <211> 1488  
 <212> DNA  
 <213> Homo sapiens

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	aaccccagcc	tggcccaaga	ggagctgggg	tggacagcag	ccttaggggt	ggacaggatg	1080
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<210> 361
<211> 2806
<212> DNA
<213> Homo sapiens

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<400> 361
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<210> 362
<211> 634
<212> DNA
<213> Homo sapiens

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<210> 363
<211> 13500
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<223> n=a,t,g or c

```

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<400> 363
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 <211> 1896  
 <212> DNA  
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<212> DNA
<213> Homo sapiens

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<213> Homo sapiens

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<210> 388  
 <211> 2850  
 <212> DNA  
 <213> Homo sapiens

<400> 388						
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<210> 389  
 <211> 1098  
 <212> DNA  
 <213> Homo sapiens

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	ccttgggtatt	ccgaggacac	acccagcagg	acccggaagt	gcctaagtct	ttagtttcca	240
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	aagtggctga	gcagggtgctg	caacaaaagg	agcacacgat	caacatggag	gagtgcgggc	360
	tgcgggtgca	ggccagccc	ttggagctgc	ccatggtcac	caccatccag	gtgatggtgt	420
	ccagccagtt	gagtggccgg	agggtgttgg	tactggatt	tcctgccagc	ctcaggctga	480
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	agccagttcc	ccgtcgggta	ctgggtgctca	acatttcctga	tatcttggtat	ggcccgagac	780
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aaaaaaaaa	aaaaaaaaa					1098

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 <212> DNA  
 <213> Homo sapiens

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ttttccttaa	attatctaaa	atctgctagg	gaatatcaat	agatatctac	cttttatttt	240
aatgtttcct	ttaatttttt	actattttta	ctaattcttc	tgacagaaaca	gaaagggttt	300
cttctttttg	cttcaaaaac	attctttacat	tttacttttt	cctgggtcat	ctctttattc	360
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agtcttggtc	cactgcaact	tctgcctctt	gggttcaagt	gattctcctg	cctcagcctc	480
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agacaggggt	tcaccatggt	ggccaggctg	gtctcaaact	cctgacctca	agtaatccac	600
ctgcctcggc	ctcccaaagt	gctgggatta	cagggatgag	ccaccgccc	cagcctcatc	660
tctttgttct	aaagatggaa	aaaccacccc	caaattttct	ttttatacta	ttaatgaatc	720
aatcaattca	tatctattta	ttaaatttct	accgctttta	ggccaaaaaa	atgtaagatc	780
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aaaaaaagtg	atgtacaacc					860

<210> 391  
 <211> 921  
 <212> DNA  
 <213> Homo sapiens

<400> 391						
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tcttttatga	ccaaaactgt	gccttgtgga	aatgaacttc	acaagtccct	catctgggac	240
actgctggtc	aggaacgggt	tcattcattg	gctcccatgt	actatcgagg	ctcagctgca	300
gctgttatcg	tgtatgat	taccaagcag	gattcatttt	ataccttgaa	gaaatgggtc	360
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gacctctcag	atattaggga	ggttccccctg	aaggatgcta	aggaatacgc	tgaatccata	480
ggtgccatcg	tggttgagac	aagtgcacaa	aatgctatta	atatcgaaga	gctctttcaa	540
ggaatcagcc	gccagatccc	acccttgagc	ccccatgaaa	atggaaacaa	tggaacaatc	600
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gcagggggcg	gggcaggaaa	tgtacctgaa	aaggatttta	gaaaaccctg	ggaaaccac	840
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<210> 392  
 <211> 282  
 <212> DNA  
 <213> Homo sapiens

<400> 392						
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ccaatagaaa	ataccacaga	ttgtttaagc	acaatggcta	gtgtatgcag	agtcatgctg	180

gaacacccggt	atacaggagc	aggtttacaa	atggagagac	agtgtcattc	tgcttgaggg	240
taatggtggg	tgtcataata	ctctatgtcc	acgtacatcc	ag		282

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<210> 393
<211> 377
<212> DNA
<213> Homo sapiens
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<400>	393								
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agattaacag	accccaacta	tctctgttta	ttggatgtcc	gtgccaaatg	ggagtatgac				300
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agtctgtgga	cctcgag								377

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<210> 394
<211> 525
<212> DNA
<213> Homo sapiens
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<400>	394	gagcaataacc	tttctgtacc	cgtggtgaga	caagaccag	agctactgga	aaacaagcac	60
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		gtttcttatg	tgccttaaa	gactgttaga	caagaaaagc	attcactggc	taataatcca	180
		taggtcgacc	tatgtcctaa	gttaggtgta	aggtccgatg	ccttggccac	actcgagctc	240
		tctttacatt	gttagttgtc	aaccttggct	gatggaaatc	ccgtaaccac	tattttgttg	300
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		atgaaatcta	aaggatattc	acagtgaact	caattcagga	agaatgcttc	caaagagacc	420
		cagtggggaa	atctgacatc	acagaagaca	ttaattcagt	cactttcaaa	gagtttgtct	480
		acaggcggtt	tctctgttat	caaggcattt	gaaataggat	tttac		525

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<210> 395
<211> 399
<212> DNA
<213> Homo sapiens
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<400>	395	agctggagga	tggcgggtggg	ggaggctgtc	tttgtaccac	tgcagcatcc	cccacttctc	60
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		gctgagttct	cttaggaccc	agagccaggg	ccctcaactt	ccatcctgcg	ggaggccttg	180
		gcgagacact	gccagtgtct	tccagagcca	caccacagga	ccacgggagg	atcctgacct	240
		ctgcagggct	caggggtcag	cagggaccca	ctgccccatc	tccctctccc	caccaagaca	300
		gccccagaag	gagcagccag	ctgggatggg	aaccacaagg	tgtccacatc	tggcttttgt	360
		gggactcaga	aagggaagca	gaactgaagg	ctgggatat			399

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<210> 396
<211> 241
<212> DNA
<213> Homo sapiens
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[illegible]

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<210> 397
<211> 355
<212> DNA
<213> Homo sapiens
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<400> 397

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<210> 398  
 <211> 456  
 <212> DNA  
 <213> Homo sapiens

<400> 398	catatataca	tgcaagtctgc	ttgattatca	gcaaaatggt	cagcctttat	cagatagttt	60
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	cacagtctgt	ctgtcttcca	gttcatctca	gtcctcgaga	aaggcccttt	aaatatgtca	180
	ctttccatt	ttcctttaac	catgggttgt	gtgagccaga	aagagctttg	agaaagatgg	240
	ctgcttccac	caggggtggag	gcttctaggt	ctgcatgatg	atggggccc	tttctggcca	300
	gaggggtggct	ctgggagcag	ttgtgctgcg	ggcttgctgg	gggagaactc	taactgttgc	360
	agaaacagag	cttcatggct	tgcttaaatt	acttagctgg	aatatttta	agtgtcagat	420
	aatgtgatgt	acaaagagag	tatgccgatg	catttc			456

<210> 399  
 <211> 470  
 <212> DNA  
 <213> Homo sapiens

<400> 399	tatcaaacta	aagatgacat	cttaattttg	cattgaacat	taatgtagcg	gatataattt	60
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	ttaaggttca	ggcatgcatt	ctggctcata	gtggttgaaa	gtaatttaaa	ttagtgggaa	180
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	tggattttat	ttttattaag	aacatagata	tataaaagta	tgtagtttac	aggtaggcct	360
	tgaaatatct	tttttaggat	ctgttaggaa	taagattgat	attgtattgt	gtgtaacctg	420
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<210> 400  
 <211> 4207  
 <212> DNA  
 <213> Homo sapiens

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	gagctatttc	agaagaaagt	ggtagcttcc	tttccaagaa	cagttctgag	cacaggaatg	180
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	aagcgcttgg	tcatcactgc	ttcacagtca	ctagaaaata	aagaactatg	catccttagg	300
	aatgactggg	gttctgttcc	agtagagcca	ggagatatca	ttcatttgga	gggagactgc	360
	acatctgaca	cttggataat	agataaagat	tttggatatt	tgattctgta	tccagacatg	420
	ctgattttctg	gcaccagcat	agccagtagt	attcgatgta	tgagaagagc	tgtcctgagt	480
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<210> 410
<211> 2149
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 410
gacatggcca acatcgcggt gcagcgaatc aagcgggagt tcaaggaggt gctgaagagc 60
gaggagacga gcaaaaaatca aattaaagta gatctttagt atgagaattt tacagaatta 120
agaggagaaa tagcaggacc tccagacaca ccatatgaag gaggaagata ccaactagag 180
ataaaaaatac cagaaacata cccatttaat ccccctaagg tccggtttat cactaaaata 240
tggtatccta atattagttc cgtcacaggg gctatttgtt tggatatcct gaaagatcaa 300
tgggcagctg caatgactct ccgcacggta ttattgtcat tgcaagcact attggcagct 360
gcagagccag atgatccaca ggatgctgta gtagcaaatc agtacaacaa aaatcccga 420
atgttcaaac agacagctcg actttgggca catgtgtatg ctggagcacc agtttctagt 480
ccagaataca ccaaaaaaat agaaaaccta tgtgctatgg gctttgatag gaatgcagta 540
atagtggcct tgtcttcaaa atcatgggat gtagagactg caacagaatt gcttctgagt 600
```

```

aactgaggca tagagagctg ctgatatagt caagcttgcc tcttcttgag gagcaccaac 660
atctgttatt tttaggattc tgcataagatt tcttttaatc tggcattctc gcctaattgat 720
gttatctagg caccattgga gactgaaaaa aaaaaatccc tgctctgtaa ataaagctaa 780
ttaaacgtct gtgtaaattht aaaaaggagg aatactttta ttttttttct taatagtgtg 840
aaaattccct gagctaagct aaaaccatgg aagaaacatg ctactttagt gtttagcagt 900
gtaccaagac tagcaagagt ttgcttcagg atttggttga ataattaaga taatatttgg 960
agtgtgtcag ggccattcaa attggttggg ttgcatcaca gctaccttaa ctgtttttta 1020
catggatcct ctgtgcctgt gaatttaact gcatgcttgt acttgacttc ttaggatggg 1080
tagctgaaaa gaccaccatt ttaagcattt gagaattctt aaatatgaaa tttattcaga 1140
attgaagatg gtgacctatt cagagccttt ttgtccttgt caacagactg ggacagtgtc 1200
tgattcccc ttcaccccc cccaccccc ccttggcaca cacagctaatt attctaattg 1260
taaattttct tgtatcaggt ggggaaatgt gctgaaggac agtatgtatc ccttgcttca 1320
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ttaagtaatg taaaaatgga actgccaatt ttatttctct tgcaaaaata gtaaataact 1440
gatgttacat tattcccagg tttaatgaaa gaacccaact tagtttttca gtgaatttga 1500
cacctatttt ttagtgatga aatttttctt tgagaactgg caaggatgca gtcagctgtt 1560
tgcagttttt agcctgattt tgggggtctat agagattgct ttattggata cttcaagtca 1620
ttcttgcttg cacttcccct attgacacat gaaagctgtg ttgggtgttt attgtacata 1680
cttcagatgc acataggaat agaagtgtgt tataaatcta gctttcttta tgatgtttct 1740
gataatacga gaattgaaaa ctttaccttc tcttgatcat agtcagacta tttgtattaa 1800
atttacattt cattctaagt tccaaaagt ttgaaaattat tagttttgca agatcacaca 1860
ctaattgaac cattttatga aggttgaaat ggatttatgc aggcagttct atatatagaa 1920
atncaattct ttttaaattt ttaggaccaa tacaaaataa cacaaatgta atggaatcag 1980
actgaattaa agtaaggctg tatattgaaa gtcattattat aaaagggttg ctttctttta 2040
gtgttattta tcttaaatta taatcggtta atgtttggaa gataattttt gaatcataac 2100
gtcagcataa cttcatttga cttctcaata atcttgtcga cgcggccgc 2149

```

```

<210> 411
<211> 495
<212> DNA
<213> Homo sapiens

```

```

<400> 411
agactggacc tactgattca acttgagat gagcgggtct gtctcttca cggcgggaga 60
gaggtggaga tgctttctga ccccgctgag gtcacccctg tactgggctt tacataattt 120
ctgctgtcgg aaaaaatcca ctacacctaa gaaaattact cccaatgtta ctttttgtga 180
tgaaaatgca aaggagcccg aaaatgcact tgacaagctc ttctcttcag aacagcaggc 240
ttccatcttg catgtgttga atacagcatc tactaaagaa cttgaagctt tccgattgct 300
tcgtggaaga aggtccatca atatccgtag agcacagaga aaactttggg ccatttcaga 360
atttaagaga gtttaaatgaa tgtgcccttg ttttaagtata aaagtacagt tcaagtttgt 420
aactccatac tttgtccaaa gactggacgg ggaaaaaaga aagtcaccgg aaaaccgggt 480
cctgagaaaag ctctt 495

```

```

<210> 412
<211> 575
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 412
ccccagctc tcagggataa gaccagtccc ccagcgtggg ggtcagcacg gaagctccac 60
cttctgggtg aggcgccatc ctaaccatcc agccaggcca cccacaacc gagaatcagg 120
gagaaagtcc ctccccagca gccccctcct cctggctggg aagaatgggc ccccagcaag 180

```

cacttgccctg	ttcattccccg	ttcatgtttt	gcttctctct	cagactgcct	tcctgcttct	240
gggctaacct	gttccaagcc	aggctcctca	atgtgacctc	gcagttgaga	agcccattat	300
cgtggggcat	ccttttgctt	acagcccttg	gttagggcac	tttgagacag	tcttgctatt	360
cagtgaacct	ttgtacattt	caaagaagac	tccatggctg	ctccagatgc	ccccttgctg	420
ggtgcaggtg	gggactgtcc	aatgcagagt	ggcgggacag	agagttaaag	caattcctgg	480
gtctccttct	tatgactgtc	tatgggggtg	attgccttct	ggggttgtct	cgatctgtgn	540
ttcaataaat	gccgctgnaa	tgcaaaaaaa	aaaaa			575

<210> 413  
 <211> 345  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 413						
cctcagtcctg	atgggtgaatg	gctattcgta	aatggctggg	ctggctcttt	ggtggtggag	60
cctttccaat	agcccatga	aaagaagcat	cacccaagga	tattgtaaaa	aggatgtaac	120
aaggagatag	ggtagacatt	gtactcagtg	ggccttgggg	ctgagccnag	ctctgagcag	180
aggactgtgg	cattcactgt	ccttgagtgt	ttcaccttct	tggataacac	acgggccttc	240
tcttctggat	ttcatcagag	attacagcca	gatgggggct	gaagaccatc	ctcttgacca	300
cagaggtgtg	actgtnggaa	ttcctcccaa	tttatgggtt	tccca		345

<210> 414  
 <211> 2584  
 <212> DNA  
 <213> Homo sapiens

<400> 414						
gaggagcagc	gagtcaagat	gagagttcag	ccgcggcggc	agcagcagca	gactcaagaa	60
tgaacaatcc	gtcagaaacc	agtaaaccat	ctatggagag	tggagatggc	aacacaggca	120
cacaaaccaa	tggctctggac	tttcagaagc	agcctgtgcc	tgtaggagga	gcaatctcaa	180
cagcccaggc	gcaggctttc	cttggacatc	tccatcaggt	ccaactcgct	ggaacaagtt	240
tacaggctgc	tgctcagctc	ttaaatgtac	agtctaaatc	taatgaagaa	tcgggggatt	300
cgcagcagcc	aagccagcct	tcccagcagc	cttcagtgc	ggcagccatt	cccagaccc	360
agcttatgct	agctggagga	cagataactg	ggcttacttt	gacgcctgcc	cagcaacagt	420
tactactcca	gcaggcacag	gcacaggcac	agctgctggc	tgctgcagtg	cagcagcact	480
ccgccagcca	gcagcacagt	gctgctggag	ccaccatctc	cgcctctgct	gccacgcca	540
tgacgcagat	ccccctgtct	cagcccatat	agatcgca	ggatcttcaa	caactgcaac	600
agcttcaaca	gcagaatctc	aacctgcaac	agtttgtgtt	ggtgcatcca	accaccaatt	660
tgcagccagc	gcagtttatc	atctcacaga	cgccccaggg	ccagcagggt	ctcctgcaag	720
cgcaaaatct	tcaaacgcaa	ctacctcagc	aaagccaagc	caacctccta	cagtcgcagc	780
caagcatcac	cctcacctcc	cagccagcaa	ccccaacacg	cacaatagca	gcaaccccaa	840
ttcagacact	tccacagagc	cagtcaaac	caaagcgaat	tgatactccc	agcttgaggg	900
agcccagtga	ccttgaggag	cttgagcagt	ttgccaagac	cttcaaaca	agacgaatca	960
aacttgatt	cactcagggt	gatgttgggc	tcgctatggg	gaaactatat	ggaaatgact	1020
tcagccaaac	taccatctct	cgatttgaag	ccttgaacct	cagctttaag	aacatgtgca	1080
agttgaagcc	acttttagag	aagtggctaa	atgatgcaga	gaacctctca	tctgattcgt	1140
ccctctccag	cccaagtgcc	ctgaattctc	caggaattga	gggcttgagc	cgtaggagga	1200
agaaacgcac	cagcatagag	accaacatcc	gtgtggcctt	agagaagagt	ttcttgagga	1260
atcaaaagcc	tacctcgaa	gagatcacta	tgattgctga	tcagctcaat	atggaaaaag	1320
aggtgattcg	tgtttggttc	tgtaaccgcc	gccagaaaga	aaaaagaatc	aaccaccaa	1380
gcagtgggtg	gaccagcagc	tcacctatta	aagcaatttt	ccccagccca	acttactgg	1440
tggcgaccac	accaagcctt	gtgactagca	gtgcagcaac	tacctcaca	gtcagccctg	1500

tctctccctct	gaccagtgct	gctgtgacga	atctttcagt	tacaggcact	tcagacacca	1560
cctccaacaa	cacagcaacc	gtgatttcca	cagcgcctcc	agcttcctca	gcagtcacgt	1620
ccccctctct	gagtcctctc	ccttctgctc	cagcctccac	ctccgaggca	tccagtgcc	1680
gtgagaccag	cacaacacag	accacctcca	ctcctttgtc	ctccccctct	gggaccagcc	1740
aggtgatggg	gacagcatca	ggtttgcaaa	cagcagcagc	tgctgccctt	caaggagctg	1800
cacagttgcc	agcaaagtc	agtcttgctg	ccatggcagc	tgctgcagga	ctaaacccaa	1860
gcctgatggc	accctcacag	tttgccgctg	gaggtgcctt	actcagtctg	aatccaggga	1920
ccctgagcgg	tgctctcagc	ccagctctaa	tgagcaacag	tacactggca	actattcaag	1980
ctcttgcttc	tggtggctct	cttccaataa	catcacttga	tgcaactggg	aacctggtat	2040
ttgccaatgc	gggaggagcc	cccaacatcg	tgactgcccc	tctgttcctg	aacctcaga	2100
acctctctct	gctcaccagc	aacctgttta	gcttgggtct	tgccgccgca	gcctctgcag	2160
ggaactctgc	acctgtagcc	agccttcacg	ccacctccac	ctctgctgag	tccatccaga	2220
actctctctt	cacagtggcc	tctgccagcg	gggctgcgtc	caccaccacc	accgcctcca	2280
aggcacagt	agctgggcag	agctgggctg	ccagaagcct	ttttcactct	gcagtgtgat	2340
tggactgcca	gccagggtta	taaactgaaa	aatgtgattg	gcttcctctc	gccgtgttgt	2400
gagggcaaa	gagagaagg	agaaaaaaa	aaaaaaaacc	acacacaccc	atacacaata	2460
taccagaaaa	ggaaggaagg	atggagacgg	aacatttgcc	taattttgta	taaaacactg	2520
tcttttcagg	gttgcttcat	gggttgagg	actttctaac	caaaaattaa	aaaaaaaaaa	2580
aaaa						2584

<210> 415  
 <211> 275  
 <212> DNA  
 <213> Homo sapiens

<400> 415	cctcttgctt	tctgcagagg	atcagctggg	cctgtccctg	ctcagcctgg	agcagctaga	60
	atcagaggag	acgctgaaga	ggatagagca	gattgctcag	cagctctgag	tggggcgggt	120
	ggggccataa	acggttcctg	gtgactcctg	agtcttgctc	ggccctgggt	cccagcggcg	180
	gtggtgctag	aaggtcttat	gaagtcaggt	gacatttctc	actgtcacgt	ccacagcctt	240
	taatcgagg	agaaggcagc	tatccaccag	gtacc			275

<210> 416  
 <211> 318  
 <212> DNA  
 <213> Homo sapiens

<400> 416	tttattattt	tgaatgattt	aatgggtttt	tacacaattt	acatcacaac	atgtaaattt	60
	tagcagtaac	atctgattct	aacagcacat	catgctattc	ctttcataga	gccttcagag	120
	attcaatgct	aaacaaattt	ccttagttgg	catcaaggca	ctgatcactt	tagaggcttt	180
	taagaaatta	tttaaagatg	caaagtgcct	tgagtgaagt	gtactatccc	atcactgaag	240
	cccacaggaa	caagtcctac	aatttttaaaa	aggctcgatg	gaaaaatttc	tcaatcctga	300
	aatcccctag	ggaagggg					318

<210> 417  
 <211> 1297  
 <212> DNA  
 <213> Homo sapiens

<400> 417	cctaagtcgc	cgcagaactg	ccacgtgggg	atgagatttg	ctgggctggg	agcggcggct	60
	gctgcgggga	ggccccgcc	acgtgaagcc	agcctaactg	agctctggac	tttggggaca	120
	gctgtcagtg	gcctaggccg	caggacacca	tgaagcaact	gccagtcttg	gaacctggag	180
	acaagcccag	gaaagcaaca	tggtacacct	tgactgtccc	tgagagacagc	ccctgtgctc	240
	gagttggcca	cagctgttca	tattttacccc	cagttggtaa	tgccaagaga	gggaaggtct	300
	tcattgttgg	gggagcaaat	ccaaacagaa	gcttctcaga	cgtgcacacc	atggatctgg	360
	gaaaacacca	gtgggactta	gatacctgca	agggcctctt	gccccggtat	gaacatgcta	420

```

gcttcattcc ctccctgcaca cctgaccgta tttgggtatt tggaggtgcc aaccaatcag 480
gaaatcgaaa ttgtctacaa gtccctgaatc ctgaaaccag gacgtggacc acgccagaag 540
tgaccagccc cccaccatcc ccaagaacat tccacacatc atcggcagcc attggaaacc 600
agctatatgt ctttgggggt ggagagagag gtgccagcc cgtgcaggac acgaagctgc 660
atgtgtttga cgcaaact ctgacctggt cacagccaga gaccttgga aatcctccat 720
ctccccggca tggatcatgt atggtggcag cagggacaaa gctcttcac caccggaggct 780
tggcggggga cagattctat gatgacctc actgcattga tataagtac atgaaatggc 840
agaagctaaa tcccactggg gctgctccag caggctgtgc tgccactca gctgtggcca 900
tgggaaaaca tgtgtacatc tttggtggaa tgactcctgc aggagcactg gacacaatgt 960
accagtatca cacagaagag cagcattgga ccttgcttaa atttgatact cttctacccc 1020
ctggacgatt ggaccattcc atgtgtatca ttccatggcc agtgacgtgt gcttctgaga 1080
aagaagattc caactctctc actctgaacc atgaagctga gaaagaggat tcagttgaca 1140
aagtaatgag ccacagtggg gactcacatg aggaaagcca gactgctaca ctgctctgtt 1200
tgggtgttgg tgggatgaat acagaagggg aaatctatga cgattgtatt gtgactgtag 1260
tggactaata aaaccacat ttttattaaa aaaaaa 1297

```

```

<210> 418
<211> 469
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 418
actgtgataa aacatacaca gtttacaaga atatgaaatg ctttactaat tctgtgtgtca 60
tccatgctaa tcatctctct attgttccaa ttttagtaca ggtgcttttg aagtgggcac 120
tcttaatttt ttgaacattt tctaggtttc tgataccata ctcatctctgt gtcttaccta 180
tcacaacccc agaatcagcc atttctccaa attcctttta gtggagagtgt gtatttagaa 240
accaggatct ggacaccatt tctctttttg ttattgttgt ttgccttgct ttaatgatag 300
ctctttttat taatttttcc attattataa aagatggcca aatacatata tttctatgga 360
aaatgaatca agtcttatnt attttacagt taaaatttca ttattcctat tttaactgat 420
aaaccagttt aattttcaag atgtattaaa gtctcccaca attgtattc 469

```

```

<210> 419
<211> 422
<212> DNA
<213> Homo sapiens

```

```

<400> 419
tgatgcttgc agagaacccc aataacttga tcttcaagac gggaattact tctgattaca 60
ctctgagaat atctgtcatc tgcctttgac accttataag ttgattcttg agcattaatt 120
tctccatcag atagcctttg ggttgatgac tcaagagatg cttgtggctg caacacctgt 180
aactcttgca ttggaaaacc atcttcttgc tttgaagatg gatacacatc tgagtcaagc 240
tttctttcag cataagactt tgggtcaggg gaaagttagt ttattttgta atgtctgaca 300
atgagtagag ggatgcaaaa agattgatga ctggacagca ggcaaaaact tctgggactg 360
ggggagatga tgactcttga gtctgaacat tttgggaaga atgcatagaa atataattct 420
gg 422

```

```

<210> 420
<211> 388
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 420
aagattatac gaangattta ttgatactgg ttaacatcca ttatatacag gtagaaactt 60

```

```

tcaaaattgt acaaagaacc attaagcata ttgataaaga cagttttaca gacaaaacaa 120
ctggaaaata gttttaacat acacaatata taattatgaa aaaaatgtag aacacatatt 180
gttctaccag ataaatccca aggttattaa aagtctgcta tgcagacctt taagttgaaa 240
aatgtgttca atggagttac atggtttttag aaaattaagt ataatgttaa aattaagctt 300
ttttttctca ttgcaatttg ggagaggaac tgagacaact tttttacccc aaatctatac 360
agtttgaaaa ataatttata tgtctagc 388

```

```

<210> 421
<211> 421
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 421
tttttntntt cattgctcag gtaagaattt attaagtcaa tttaaactan acattactac 60
cattgcaaaa gcatttgctc tgaaaaggga ctgaaaaatg catcataaag ttacatagtt 120
cagcaacaat atcaatattg attatataaa gtaaaactac tggcaaacgt catttaagct 180
taccctgtaa tttttaataa ctttataagg agcaaatgtg tcaccttaaa aatgtaccag 240
tggcatttac aaattccttc aaactcattt acaaatacag taataaaaaat tcctgagctc 300
ccttttctta caccagtatt caccaatcaa catccatgcg gtgttttatt tgaccacat 360
cctctttcct tttcttaaga aaatatatta tcacattcgt aaaagtatct gtgcttcang 420
t 421

```

```

<210> 422
<211> 455
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 422
gcttttcagga aagggtttatt gtggtgagtg ccttctgtac agtcaactgc aaatgaaacg 60
cagaggatgg gtgcccagaa gcaactgcggc agaggcgcac gggaagcccg gggccaggct 120
catgcaacac gacgctcacc gcggctcggg cctggggcgt cagagaaacc tttttaaaaa 180
atggagatga atgttacaga attggacaac ccgaactgct tttcaaaacc agaggaagga 240
ggttcttaag ccgttactca gataccagtg ctggggaggg aggcctgact tcagcaacag 300
ctgtgggtgg gctggaggcg gcgcantttg gggnccecca cgccagctgt ctcagccacc 360
accttgtgcg gcgctttgct ccgagggggg cagcaagagc aactgattgg ctgccacttt 420
ccaggccccg agagacaggg cctcacgtaa cttta 455

```

```

<210> 423
<211> 415
<212> DNA
<213> Homo sapiens

```

```

<400> 423
ttcttgcttt ctttaaatct ttatttaaaa gtccatgcta ataatgtgtt tacattttta 60
cagttacatt atgatagaaa ctggttgatt ttttaaatat ctaaaacaat ggcccactga 120
agaaaggaac aattaactct ttaattaatt ccttaggata aatacccaga aatttaacag 180
ctagggcaga cttctaatac aataccgaaa gtccttccaa aaaccaagtg gttgccaaact 240
tatgtccctt agcattataa cattcttgag ccaatagtgt aaaaatacgc tgacaatttt 300
ataggcaaac attactcaag gtatcttact ttccacttat tactaaaggt aattaacccc 360
taaatagatg ctctcaaca gtgggactac atcctggtaa acctatcata agttg 415

```

```

<210> 424
<211> 421
<212> DNA
<213> Homo sapiens

```



<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 424  
aatggtttcac tctttatata taattgaata cttagttatt gtgacaaaaa gttagtatgg 60  
ctaaagaaaa taatgcaagt acatcacctg aaataacncc tgtatccac gatacatgaa 120  
tccaattcca atgctgtttt ctttctatct cagcaacact atacgtagtt taatagtcaa 180  
gataccactt gaatactatc caagaataat cagatctgct caagttaggt ttatataatt 240  
taccaaggtg atagattctg actttgaaga ttactgacca ctgatcacta agaactaata 300  
ttagctgacc atatgatncc ncaagaacta actttgactg ataaatttga atttcatctt 360  
ttgtacactg aggaaagaga ttaacaattt tctccacatc aagatggctt gtnttgaagg 420  
a 421

<210> 425  
<211> 441  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 425  
tgacgtgtta cctgctatct ttattcccca ttgccaatct tctgattggg ggttgatgtt 60  
ttacagattt ttttttcaaa ggctttatct cagtttctga ggtaggatg cccctgtgcc 120  
cctcgctcca cacctgggca ggtctaaact tccttccagg atggcctcca cacacagcct 180  
cccacctggg gtcacctggc ttcttggggg acccgcaang anggggcagg gagcagcagt 240  
ccgggtgctg ggatcggggg acctcgggcg gggcatccac aggggctgca agacctctgg 300  
tcagcatggc gtgggtgggg agagcgcttc tccctggggg cctgagccag tgactcctgt 360  
taggacctt gtcccacctc cgcctggtgg accggcagga cctggtctag ccagtcctgc 420  
agcctccatt cccccacctg c 441

<210> 426  
<211> 561  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 426  
aatcagcagc aagcagaatg ttaattaata gtctaagatg atctgagagt taattaatag 60  
actaagatta tctgtggtct atttattgac cacaccttat aaacaggata ggtttttcct 120  
attttgagac ttacatgtc tcagtacttt cttaaattgaa atcagagcat taaatcaagg 180  
gaattgatgt ggacaaaaca gctgccagca tgatagtgtt tgtgaattat gtacctctct 240  
tagacataaa ctcttagaca taaactcata aaatctgttc agaactga acagatttag 300  
atttaccata gccataaaaa tttggattta gtgggttagt ctcagcattt catggaatcc 360  
tgagatgcc aaatctctgg aaacttccta ttctctgttt tactatcttt ttctttttat 420  
caaatgggt gccatgaggg tcccagacca aaactacca tcttgaaaa acaaaagtct 480  
ggggagagaa ctccnggttt tatttcagat gatatatctt ccaatcnttg gaataggtcn 540  
ggtcataatt ataataggat t 561

<210> 427  
<211> 447  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 427  
tttttttttt ttttttgctg agaccggtaa tattctttgt ttatagtagt aatatcattt 60

ggaatagcgt gtttaagagt aataaatata gtctcttgga cacgggactc acttatcagt 120  
tcatactaca ataaaatcat tttggaaaat atactactaa taatatattt caccaaaaaa 180  
caatattaca attttcttta aaattatacc aattatgact catacaatag caacacctag 240  
aaaacatttt gtctgacgtc ataaaatgag tgcagatata aaagaatcaa cagcagataa 300  
tgcacctaata tcatggatta aagacaaaga ttaaaaagga aagaagagtt tgtcatttta 360  
catatcagng gaaatataat aagttaagtc tacaataatc tgggttgaat gcatcacact 420  
tacacattga aaatttatca gactgac 447

<210> 428  
<211> 429  
<212> DNA  
<213> Homo sapiens

<400> 428  
tgaaaagatg aaagctgaaa aaagttaggt ttggtgtagg ttacaccaat ggatgttggt 60  
gcctcctact ggtcctaaca aaaatataag tgggtaccagc aggactact tcgcatacca 120  
atgtgaagta aaaattccct ttcactctgtg gtcaagtatg gaaaaattat gaaggtcctc 180  
attaaatcca catTTTTTaa cccattaaat tatecttata aaaattcaga taaactactg 240  
tcataaatgc aactgcactg cctcaaggac ctaaaaactg ttttcctaata caactagatg 300  
gcataatcag gtaacagcag aaacagatag tctagtgaat ttccgagagt caaaatatgc 360  
tactttgatg cttattaaac actgaaaact ttcacaatac taactccagt taagttgggt 420  
gaggttaaa 429

<210> 429  
<211> 446  
<212> DNA  
<213> Homo sapiens

<400> 429  
tctgaaaatc agccttttaa tctagttgaa cccaacgagt ggggaaagaa ctaaaacatt 60  
tttttcctt cagattttga ttataagaat aacgggtcag aggtgtctct tccataggaa 120  
actgacatcc cctatgtcct cagagttggt tttttttttt tttcttcaaa aaaatgcata 180  
aaagaatttc aactcatgtg catgccacac atttccatcc ccaccccacc ctgccccacc 240  
ctctacaggc acacatatcc acacacacaaa gggactcctt cctgtaactg gggaacagaa 300  
tgtaaaaaaa tccatccaag tggccaccga taccagaaat aaccaaagtc atttacactc 360  
acaacatcag tcaactcaca tgcacaagga gaagcgtctc caatcggagc ttagagccaa 420  
aaattacaaa tggcagagac ttgagc 446

<210> 430  
<211> 614  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 430  
agttgaatta gctaaacgaa tccttgtatt tattttttcac acagcacaaa tgcaggtagt 60  
acacagtaag ttcataattc cccacaaaac ttataaactt aacaaatggg aatctaaaca 120  
taatattctg aatcacccat agctatccac tgtgtggaat ccattctaca gcagcagagg 180  
agtaccttaa tttaaagcac caagtttcca ggcattacta caaatatctt cttttcattc 240  
tctaatacat gcagtcaaac tgcctatgaa gcaaatacca attcatctta cgctttaaca 300  
gataaggtaa agcacttggg aaatcaacat tattcttaag tctgaaagtg attctacctc 360  
tttacctatt atattttctc ccatgaaatt ttaaactttt aatggagtta tatttaatat 420  
gagaataaat taaaatttga acttaatgtc tttcagattc tccagcgttt agaagtgtat 480  
atttgtttta tgtctgaggg aacaaaacgt aatttcnaat ttagatattc tggctacctt 540  
attaaaggta cattataatt tatagcaagg aatatcatcg gttggccaac atacggattt 600  
aaaaatnccc aatg 614

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<210> 431
<211> 154
<212> DNA
<213> Homo sapiens

<400> 431
tgtacatctt tattatttct aaagcacttt cctcaaccta atttcagttt ttacaattgg      60
tactcaagaa aatagagaca gaaatcattt gattttgccc agaaaccatc tgcttatatt      120
tataaggcca cctaatttga aatcacatat agac                                     154

<210> 432
<211> 315
<212> DNA
<213> Homo sapiens

<400> 432
ttcgaaacct aaaaatgtat tttattttga agttgtgctt tggattttcc ccaatccaac      60
atctgttgag tgacagtctt aggttcacac aaagcatctc caagcataca tacaatattc      120
cagttatcaa cactatttta aagaatatac cattttacac aaatgtgaca tacaagtcag      180
acgccacaac attgcgattc cctggaagat gtgacttctc ttctgcatgg gaagtagatc      240
tgcaccagcc cttccagtgc tctgcgcac cgggtgctgg catcaccgct cctcatctcc      300
ttggggagaa gccag                                                         315

<210> 433
<211> 433
<212> DNA
<213> Homo sapiens

<400> 433
atctatgact acaggaaaac atttattttac atgccctcta caaaatggat ttacaaaaca      60
tagtaactat tagggtacat gaccttgctc ctatcttccc cattgtgctt cttctctata      120
gaaaatccaa tatgaaatga caaagagtac tgtactcaga ataagaactt catctatcat      180
aaatgtacac ataaatatca gtgaattgtc atactcaaga ctcagattca ggaacttctt      240
catcagggca gcagtaatat tccacaaaac atatttgtcc atcttcattt ctaatcatat      300
actgtaatga aaggaagcct ctgttatctg tccgaataga taccttacia gataggacta      360
atgcctttgt agagggtttc agtaaggga tcttgtatct gttgacttgg gtctgattac      420
aatgaaatgc ttc                                                         433

<210> 434
<211> 182
<212> DNA
<213> Homo sapiens

<400> 434
tatgagtggg cggcagacag ctatathtag tgggtgcctcg aactcacga accgccagcg      60
tggcgctgg atcttgccca gctgccagct cccccacca ggactgtggg tcctcagttt      120
ctcctgccag ccccggtca tctcaggga aagctataga catggtagat ctcacgggg      180
ag                                                                      182

<210> 435
<211> 476
<212> DNA
<213> Homo sapiens

<400> 435
caaacctcct cttttcaaat caggaagtat acataaagtg caagtaaggt tcattccctc      60
gctgtgctcc taggctcttc tcttgatagt attaccgaat ctatcaggta aaccgctggc      120
cgagtaggat gtctgcagga atttctggag ttagcaataa acttcatctg gcaaagagag      180
tatctgaaga tcaacacagt cttggcaaga aaacatgaag taccacacac aagacagggg      240
tgtgaaggat gcaagaagta gcaggagat tgttgtcact gaagaggcca tctttggatc      300
tcaaaagaatt taagagaatt caggaaccgt tactaaaatg aacaaggcca gcagatttca      360
gagcacggtc agtcttcagt gagggcagat tcagttttcc tagttaaatt cctgaatttc      420
tttttggtct ctgccctttc ttcagcatca aagtaccaga cagtcatagc atatct      476

<210> 436

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<211> 379
<212> DNA
<213> Homo sapiens

<400> 436
aaccaccacc accacagcca ttatttaagt gcttgccagg cactgtgcta aagctttaca    60
aacattgttt cagttattcc aacaaccctg aggtagatat tttcaacatg cctccctcca    120
cccatgttat tatagttgag gaaactgagg ctgagagagg ttaagtaaata caaccaaggt    180
caaaccagc tggtaagtag tgaagctaga aattcaaacc aactatatgt gactccaaaa    240
tccatgcctt taaacactat cctagattgt ttaccattga aagttaaagg acatatgctc    300
cttcccaaaa tatgagaata gattttcagt gggaaagcag gggggagcca tatgtaaatt    360
ctttcatcag ctatgggac                                     379

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<210> 437
<211> 403
<212> DNA
<213> Homo sapiens

<400> 437
tttttagttt ggttttgatt ttaaactttt tattattgaa atttcaaaca catacaaaaag    60
tagaaatatt agaacaataa gtctccatga acaaaacact ccacttaaata tatcaacatg    120
ttgccaattt agtttccagc tctctttgcc aattattttt cttttgctag aatatttttaa    180
tccaaatgtg tctatcttca tttcatagta tgtatctcat atcatagcat cttttatttt    240
ttataatcac actgacataa tccctaacca aattaatata tgtaaataatc atttaaatatt    300
tagtccatgt ccacacttcc ctactgtct ccaaaatggc tttttatggt ttgttcaaac    360
caggtccaag taatgccaac atactgaatt tagttgatat gtc                                     403

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<210> 438
<211> 522
<212> DNA
<213> Homo sapiens

<400> 438
cagtcctaga gcctgcagta ttgtaatttt ttgtaaaacc atgtaaccaa atacttaaata    60
atatccacaa catctatacc acagaaatgc atagtacata atatactaac atctcaaaat    120
aaacttctat tacagtttta tgcaaattat ggtaaaagat tatcacctgc cacattttga    180
aatggcacca acttcaacat caatgcacta gtcaaaatcc ttactagaag tgatgtcttc    240
tgcattatca tctgaacatt caaaatcaag ctgttaattct aataaccaca gtatgttatc    300
atttaaaatc actgtatatt tggatgttaa agcaggtagt aatacagcag gaaaagtgtt    360
tctaattcac agtttcaaaa ctaaagggtg cagttttcaa atatctgatt gcttaaattg    420
gtcactcaat ttaacaactg cctccttcaa tacatgtaaa ctatgtttgc acagcattag    480
gagatgtctt ttatttcaga attagttctt actgttacag ga                                     522

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<210> 439
<211> 353
<212> DNA
<213> Homo sapiens

<400> 439
gttatttaag gatttgttta atgtttttaa attcaaagca ctttaaatta ttttaagaca    60
aaagattaat aaaaacaaca ttacctttca aatacaactt tataacagca cagtggaaga    120
atggtaaaca gtccctcttt tttttaaaaa aaatcagta cttaaaacca aaggaaggct    180
tatatgtaca gctaattcag aaagggaaca atgacaccta aagacataga taaatgcttc    240
attttaatcc aataaatgtc ctacctactg gatcttaata atgatgtttt caatatgcca    300
tttaaaataa actatccttg aaaataaagt tttaaatcat tcaatataat cta                                     353

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<210> 440
<211> 416
<212> DNA
<213> Homo sapiens

<400> 440
gcatctaact gtccataaat tcatggctac agtagagatt cacggcgcaa cgactttcat    60
actggttatt tttttttaat tctgtcagtg agcagcattt cccagtttta cactccctca    120

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atggcagctc	cattagggcga	gactgcaggc	tgcattctgtg	attaggtcca	tgcagctcga	180
agatcagttc	ggcacgcggg	agggccccga	aagctgggtc	tgtccagtgt	cttgcagcag	240
cgggtgcagg	gggtctacca	gctcgccctg	acagcttcga	tatcgctaac	caaattctgg	300
gccaggcata	tcccaaatat	ctgcagcaat	gcaatgccta	tgaaaatacc	agcaacgatg	360
gttaaattgt	cctgcaacca	cttctcaaac	tggggcacac	agctttcgtg	tagatt	416

<210> 441  
 <211> 400  
 <212> DNA  
 <213> Homo sapiens

<400> 441	agtcaactgg	taaagtttat	ttcataagta	taagtaattt	taagcctttt	actaaactgt	60
	aaatttcaat	ccattaaaaa	ctactaccgg	agcagttttg	aggtattact	gttaatttag	120
	tatagaaatg	ttactgtatt	ttgatgtggt	atgaaatgca	gccgccatgc	ctttcatgaa	180
	acgggtgctat	cgtgggtgctg	actacagaca	tgtcctatgg	ctttcaggaa	attattgtgc	240
	atgtgcatta	acagattttc	caaacattaa	tgacaatttg	attggttagt	catttgtaag	300
	cataccaaaa	taataaagta	tagccacgt	atgagccaaa	cacactgaga	catttgaggc	360
	atacaatgct	accctccagt	ctactttcgt	cagaaaccaa			400

<210> 442  
 <211> 426  
 <212> DNA  
 <213> Homo sapiens

<400> 442	tttttttttt	tttttcacat	acagtctttg	ttttaatggt	tattggtaga	aacagatctt	60
	caatgcatac	tttgtgttta	tataaactct	acattctctt	aaaggttttc	gttttgtttt	120
	cactggagat	tttttagcctc	caagtgaact	taacatattg	cctatgcatac	tgattcttta	180
	tagacttttta	gatttttaaag	ctaaatttga	gaaaccatgc	atactgtata	ccttatttaa	240
	taatccaaaag	aattgtttgc	actttcaaaa	aagttacaaa	aaggctgaac	acaagttaaa	300
	taacctatat	gatgtaaatt	ttccatttct	gaatactttt	tcagtattat	atattgcttg	360
	ctgtctaata	agtttagattg	tcagagacgc	ttcagtaaat	tatctctact	ttaaaattat	420
	atctga						426

<210> 443  
 <211> 456  
 <212> DNA  
 <213> Homo sapiens

<400> 443	tttttttttt	gtcataaaac	cgattattta	attgaagcta	taaaaaagg	agtataagtg	60
	ataaaataat	taggaaagaa	tatttagcat	gtttcaaaac	atttaaaata	ggagcagaac	120
	attttacaaa	aagttgtaca	ggaaattaaa	ttcttaaaact	atcagtacaa	acatgacatt	180
	acagagtatc	ttataaaaata	caaagacaaa	tataaaagga	ctatgatgct	tttaagtctga	240
	aaactatttg	ccaaatat	aggtttaaat	ttacagttcc	tgggtatgag	aatcatatta	300
	ctatatacat	ctcccaaacc	agtaggtagt	attttccaat	taaccatgtg	tgggtatcatc	360
	ttctacaaaag	tctttggcca	tctctgctgt	gatcacatca	atatgactaa	ccttatttct	420
	gaacttttaca	ccatagaatt	tgtcagctga	ctcaag			456

<210> 444  
 <211> 311  
 <212> DNA  
 <213> Homo sapiens

<400> 444	tcctttatac	ttctgtttat	ttttcctgct	tatgaaaaca	gccacaatt	gcctttcaag	60
	ggaagggaag	gtaatgctgg	gaaaggctct	caggagccct	gagccaagtt	ctcaagagag	120
	aagtgaggca	gctggggatc	tgggaggcca	gagtcggggc	cagggcctca	gcatacctaga	180
	accagggtg	cctcccgaag	agcagttcag	agggcgtgac	tccatacggg	cagggcggct	240
	ccacacaggc	ctggaacacc	cttctcctca	gcccaggggag	ctcatcaggg	tctgggcctg	300
	cttcagttct	g					311

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<210> 445
<211> 332
<212> DNA
<213> Homo sapiens

<400> 445
ttttttttaa tgtagattct ttattgattc caccaatgta ttagtagata tgataataat    60
aaatggtatt ttacattct cttacccaaa aatataacaa atatttacac tcagtaaaaa    120
tacaaaaagc atacagaggc actgtctttc taaaagacat aagtttaaga ggtatcgaaa    180
aataggagac aaacattgct tgttacagga taccttacca tcaatgaatt gtgcagtaga    240
attgctatct gattattaca gatgtgcagt tttgtttctg tcctttgctg attagcttac    300
atgtctcaat tttaaaagat caagttcaac tg                                332

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<210> 446
<211> 385
<212> DNA
<213> Homo sapiens

<400> 446
tgtgatgcag catcagggtgc ttttacttca gtgaatgaaa aataatggct acaactcaaa    60
tgaatgggaa tttaatatga atatatgcac cttaccagag atgtttgcta ccaatgatat    120
cttagcaatt ccatattcct tacaaagtca gtataattgt tgtaaaaaaa tcaactgtgg    180
ttctgaatac ccattcacag ttgacctcaa caatgtatct gatgtaggag actgagtatc    240
cgtgacaggc agaagcatgt gatggtcctc agtcccaagt ggaagagcta atggtaaagt    300
catatcagaa ggcttcacat ccatagtttc tgataaagga cttttttgta tggaatcctg    360
ttcactcaaa gtatgatcct ctgca                                385

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<210> 447
<211> 500
<212> DNA
<213> Homo sapiens

<400> 447
ttttggaata ccattgtgtt tattgatcaa acctggcttc gagtgtgaca gagccattct    60
tggttctcct tggaagtaac aagaacactg ggtaacatgt gaagtgcag gagactcacc    120
tgaatcccac caaagtagta gctggacca gtagcctagc ttattgtctt ggcagtgcc    180
ctaccagta ccattagacc tggctttgtc ccttacatag gacagactgg gcttctccac    240
tcccgccagg ctggccctac ctccacctgt ccttggaagc tagtatgtaa gtaaggagg    300
agtcacaaag tttatagatg ggtaggctga ggattgaggc aggaggggac ttaatggctg    360
agtccctggc ttgttccaga gccctggccc ttgagcccct ggactggtca gtgcatggac    420
actctcccct cccagctcgg gcggaagact tttcctgact tagctgctcc atacacacaa    480
tctataaata tgtatttgct                                500

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<210> 448
<211> 379
<212> DNA
<213> Homo sapiens

<400> 448
tttttttttt tttttttttg gagctgatgc ctctctttat tcatgtattt catcccctgc    60
tgcttggttt ctctgaatc cccttgttcc cctaaatagc acccccagtc cccgccccta    120
gccagctgc aggtggagta gcagctgctg tctccattca gcagatgggc agactgaagc    180
ccaagagtgt ggagcccagt ctgaggtcac acagcagtct cctgggttcc cacttgacct    240
tcaatgggga gggaggactt ggcctgggct ccgtgcgcc tcaactgcagg gtggctggct    300
gcggcacgtc gcaggagct gccaatctgg tctctgaggg cctccagtct ctgggccagg    360
tttgaacccc cgccccac                                379

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<210> 449
<211> 433
<212> DNA
<213> Homo sapiens

<400> 449
ttgttttttt ttttagatcta ccttcagttt tgtcattttc cagtattcac aatcctttca    60

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aagtttcctt taaaggggaa aaaacagagg cttgtaagaa atatgctcaa agaggttcta 120  
 ggacttacag acatcccatt ccagtataag atacaaaagg caaaatgttt cctttaccca 180  
 tgatccaggc tagctccaag aatcctaaaa acgatgtttt aatttggaat ctgggatgag 240  
 gcgttttgtg gattaacatg tggtctgaca caaggactac tctacttcct taagaaacat 300  
 gagcaaaaat gctttgctca acaacctagt tatgtatgta caaatgggta tcatggctct 360  
 tactgataaa aaacttataa gcaatttctg ttacaaaatc gatcttgcta acaggctctg 420  
 gtgtataagt tag 433

<210> 450  
 <211> 207  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 450  
 gtggaagaat acagaaatat gtttaatact tagtatcaaa ctaaaaagta atataaaatt 60  
 acaaaaacttc ttttttttca tgcacaggct ttttctggta aggaccgctg ggattgaaca 120  
 gaagcttccg gtaaataagg gccccgtcgg caagacagca tactgctgtc acaagtgcaa 180  
 acaccctcc accaactgtc aatggtg 207

<210> 451  
 <211> 286  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 451  
 caacttgacc taagtgacat ttatagaaca ctccgcccag caacagcaca gtacatattc 60  
 ttttcaattg cacatggaac attcaccaag ataggtctca atacatttaa aaggntcaaa 120  
 attatgttaa acatgattaa caaaacagaa cattttgtag aagagctaga ggattaagta 180  
 aaaaaaaant tcctaganta cgnagacact aaaagagtat ataagtgaaa aattgagggg 240  
 ggatactgtg ccnggaagta cagtgtctac tagaagtttc agaaag 286

<210> 452  
 <211> 457  
 <212> DNA  
 <213> Homo sapiens

<400> 452  
 ccagtcgggt tggagtttat ttctgccaga gcctggaggc tgggagggtg aaggacactc 60  
 ctttagtccc agagggaagc tccgaaccct cagagcaacc agaaggaggc gcagagcatg 120  
 ggcagcagca ggagtgagag ggggtcccctt gtccctgcccc tttgcaaggg ttcaaggctg 180  
 gtggaggcct ggggcttctg tgcctcagga gttcaggggt ggacgcagaa atgggggaag 240  
 gagagtggct acgtagagag tgagagcgag attcctaaaa agatgcacag agagaccctc 300  
 agagagaagc agagggaatg ggttgcaactg gctgaggatg gtggaggagc cgtctcactc 360  
 ccttcctaag gtctatagat caataacgag ggaagaaagg aggacagggg gctgatggaa 420  
 acacagcttg ccaactgtac ccagtccccc aacaagc 457

<210> 453  
 <211> 526  
 <212> DNA  
 <213> Homo sapiens

<400> 453  
 ttttattctt tcttgaggct tcattttgtt caaggctcact accttgatgat gcttttagact 60  
 tttgggtagg atgaataatg tggttttctt tggtgtagga aggatccgaa gataaagctt 120  
 cagaagatgg tatactaaca ttttttaggat ctgctgatga agcaatggct ttttaagtta 180  
 tcatagaagt aacattttta ggggctgctg acagttctgt agataatgtc tgtcgaacaa 240

cataacccat	tgggtgtccaa	gataactctc	ttgtacatga	aggagaattg	gtagcggcat	300
tagcagttac	agattcattt	gggttatttt	tcaccactat	ttcacccttt	gataaactg	360
cagctggttt	tactacttct	cttagaagag	aaatgtcggg	agagacagag	tggacaggtc	420
cccacttggg	ttgcttctgt	atctctgaca	tattgttctc	tgcaccttgc	agttcaggaa	480
agtccagtgt	ggtaaattca	aactcagggt	tggaggtaga	tacatt		526

<210> 454  
 <211> 330  
 <212> DNA  
 <213> Homo sapiens

<400> 454						
tttttttcaa	ggattcacaa	actatggcat	tttatttcag	agcctttgct	tacatttgta	60
caatatatta	cataattctt	cattgtttgc	agatccta	atatacttta	tagcttttat	120
tctataagct	tttttcttca	acattttgct	gtcaacaaat	ctttacagtc	ctgtacaaat	180
ttgaataact	tgaaaaccatt	ttcaacaaaa	ttagttactg	taagcacaca	ctacaagact	240
gaaaatgctt	ttcttagaaa	agttgaatgt	aaaggattct	gacacgtag	catctacaac	300
aaaacgcatt	gaaattccca	cgctgtattg				330

<210> 455  
 <211> 459  
 <212> DNA  
 <213> Homo sapiens

<400> 455						
tttacacaag	aaagtgtctg	ttacattggt	gttttgtgtt	atttagtgat	ttgttcagcg	60
ctcatctctt	ccaccagact	gcgcttcctg	aggacaggga	ccttaaagca	cctcacatag	120
ggtgcgcgtc	tgggtacactg	tcgccgagta	ccagacaacc	agtgtctcac	acgggggaag	180
acgatgaaga	cagcaatggc	atccttggga	agatgggcag	gagaccccat	gacacctggc	240
acctgggcct	aagctgggag	gccagcggcg	tccccaggag	accacggccc	aggctgggag	300
cttgaccggc	cagacgcccc	tgggtgggccc	tgggcctccc	gcctgggagc	ctccagtgtg	360
gcgcctggct	ctgggtgggt	aacaggagct	acaggccagc	aatgcccttc	ctgtcctcgg	420
cctggctcaa	ggactgggtg	cagagggcat	cagcgatgc			459

<210> 456  
 <211> 418  
 <212> DNA  
 <213> Homo sapiens

<400> 456						
gaaatgtaag	tatacagatt	ttaatttatt	tttaagaata	attgtatatt	ttaaaaacag	60
gacacgtact	gtatgagtaa	acagcgtggc	taacaccaag	tccacactgg	taagcttttg	120
agaaccattt	acactatggt	gacagtagta	ctgctgcagg	cagacagcgg	aagaataaat	180
aatagtgtt	caagaagagt	agtgattgag	aggataggta	aagaggcg	ctcatcgtgg	240
aagctagagc	aggaacacct	ccccagtagt	gacatgtgca	aagttccaga	tctccacgac	300
aaagacagct	caacccactg	gaacaaacag	actcccaatg	tggctggcaa	ctgcgggggt	360
agaagaactc	aggcaaagta	ggcacaggaa	tgggggagat	gagagccaag	ggacaaaac	418

<210> 457  
 <211> 269  
 <212> DNA  
 <213> Homo sapiens

<400> 457						
tttttttggg	agggaagaca	tttactgtag	gtataaagg	ttactattat	taacaagtta	60
tcactagtat	ttacatgttt	ataaaatgga	aataaaaatg	acatacacgt	ttggtgccaa	120
aagtggcaca	tccaaaactaa	tatcagtata	aaaataaatt	ttcaagctat	gtgtttttta	180
aataaagggtc	attgaaacag	taagggggaa	aaaatctgca	tctggcatgt	gttgagatgc	240
aatcatcatc	acagcaaagc	agccctggg				269

<210> 458  
 <211> 286  
 <212> DNA  
 <213> Homo sapiens



```

<400> 458
caccactaaa aaaggctttt attacaaaat gaattctaataaaaaccaggc ctggtcttca 60
accctcccg ctgggtagag gccctagggg gggctagggg aggggagatg ggggtgggg 120
gccctgaaag aacagagcag gctgccctcc tctcatcagt ctcagctgct gccctcctt 180
tataaagggc tagaagagct cttccaaagc cccttgagag agtccccatc cttccaacca 240
ggatccttcc aaccactgct gtcacaggac cttagcaatg cgcgat 286

```

```

<210> 459
<211> 375
<212> DNA
<213> Homo sapiens

```

```

<400> 459
tctcaggacc caatagattt tatttcaggt ggggataagg gacaagcaat gtgaagacag 60
ggaaggaaaag aaggaagtct ctatgttctg aaggactgcc taccctactg ttgagagtgc 120
cacattctgc ccttttagca attttaatta atttttacta ggactttggt aacaccacag 180
aaacctgtg gcttctgtt aaaatgactg tggtacatgc cttattttta ttaaagtgga 240
atttaacaaa tacttttatt attttgaagc atttcatcaa ttctcgggtg aagcactaca 300
tcctcgaatg ggaaataaca aatgaaaaat gaaaaaaaaag attatccatt cacagtaagc 360
accattttac tagaa 375

```

```

<210> 460
<211> 451
<212> DNA
<213> Homo sapiens

```

```

<400> 460
ttttcctgaa taaatttata atcttagtag aggaaaagtt ctgatgtgat tttaaaaaca 60
gaatcccttc tcgccttact tacttggtac ttaaccatt acaaatttat tcaggaaaac 120
taaaattatt taaagaagag acatctagtt ctagagtaat ctggcacatt catatgtgaa 180
aaaaattaga aatcacttga tacatctaca gtacacaaat agacgtataa acattgtatt 240
ttaataatac tctttgtcac ttcaatttaa atcattccat tatgaaaatt tcttaattga 300
aggagacta tttcttcaaa actctaaatt aaacagagct ttatcaatta agtttacagc 360
aatatagcct ttagaaatac atatttcttc attttataat aatacttccc ctttaaaaat 420
ttgccatggt ttgtcacaga tttaaaatac a 451

```

```

<210> 461
<211> 479
<212> DNA
<213> Homo sapiens

```

```

<400> 461
tttttttgta tgaaaagatt taatgaatta tgagccattg atcattacaa actttaagcc 60
ttaatatttc ttctttccta tgtaaaacca ggtaattaaa acagcctgtc tcagtatgac 120
agaagaccat agtagggata atagtaacgt ctgcttcac atctgcatgc ttcgttaacc 180
aaccaaaagaa agtgctccag gtttcccaag tcaacaaagt atactcagtt acactttccc 240
tgatcatact atgaattgaa acagaacact cctttgactt ttaatagcac ttttcatcca 300
cggcacaagc actttcccat tattttctcc ttaccctca atatccttgt gaggtagtga 360
agggaggagg caaggatttt tttttctat tttgcagatg agaaaactca aggtgaattt 420
tacaacagtg gttctcaacc ttggcagcat attgaaatga ccagaaagtt tttaaaaat 479

```

```

<210> 462
<211> 240
<212> DNA
<213> Homo sapiens

```

```

<400> 462
tactgctttc ttgattttat ttcaaaagta cacaagggtca caaaactaga gcaagttggt 60
tttcttaaca aattttgttc ttacaaatct caaaatctgc accattggat atataagcca 120
gaaatcgtac atacaaaatc tgaaactgac actgtcagtt ctatactttg cacacgtgaa 180
gtgtcagaat attttcttca gtagtacagg tgtattttatc actaaaattc acaattaggg 240

```

<210> 463  
<211> 435  
<212> DNA  
<213> Homo sapiens

<400> 463  
taagtgatga aagactgacc agtagaaggt ggtgaagatg aagaatagtg gaactggcaa 60  
gtaagaactg ttcagacaag cattcattgt gtaatatcca taaacaaaac tataatccaa 120  
aggacttcca ttttagtatg ttctgatgat gtactctaga ctgtcacctc ctctggctta 180  
cagaataatc cagaactttc catagacatt aatcttgctt aacaaaggct gtttacctat 240  
tatacacaca cattttttaag ggaaatatat gtatatagct ttatctatac acacacatat 300  
acatacgtgt atatatagat ttatacaaat gtataaataa acataatact tttcaatctt 360  
tcatttgaca aggcaagtgc acattcagca aagtgccacc acatcccata tacacatctc 420  
tgtacagata tacac 435

<210> 464  
<211> 387  
<212> DNA  
<213> Homo sapiens

<400> 464  
tttgaaggga gcagagggga ggcacgcgag ccacggccac gctttattgc ttaagacgca 60  
cacagaacac agaggaacaa acaaggagga aagggcgcca cacacagccc agaccaggca 120  
ggagcggccc agccgcggaa gagacgttcc ttgcaaggca gggccctgct ggatagcacg 180  
ccccctggga cgaggggtcag ggaccccagg actgcacagc tgcagacttg ctgggaacct 240  
ggtacaggtg atacgcccac tctcgctgtg tgtcagagct tctacctctg catccagcca 300  
tgcaccacc atttccccac aggggtacagg ggcagccttc cttgatccac agccaaccct 360  
tctcctgctg tctctggctg tcagtga 387

<210> 465  
<211> 443  
<212> DNA  
<213> Homo sapiens

<400> 465  
tttaggtaaa agatttttat tcttatttaa ccatgctgca tgtatacata caataccaat 60  
atatacaact tgaacaaata caatttatac ataaaataca atgaaagcat ggcttttgaa 120  
actgatgcaa caaactgtaa tttgtaattt tggccagcat acagtattat agtaatgcta 180  
ctgaagttat tcattaaatt agtcagacta cagtataagt tcaaaggcac tagaaacatc 240  
tatgttttct tctagtattt ttaagaacaa aaaataattt aaaataaaac aaatgtatac 300  
attaggaaat tgggcagaca ttggtgtact taaatgtaaa cgctacccat tccttaattc 360  
acagccctgt aggaaagaag actttcctta agagttaagg ggaaggatat taaaaacaga 420  
ctaaaaggaa acaaacaaaa cag 443

<210> 466  
<211> 531  
<212> DNA  
<213> Homo sapiens

<400> 466  
tttaatatatt aatatttgta gttaattttt ctgaaccttt ggcttataaa tttttctcaa 60  
cttacattta aaaatgtatc aatgcacctt cttcagtagt accacatgaa aatataaacc 120  
tcgttcttcc atatcttcta cgcaggaaga gtgaatgaat agtaccctaa atatcccgca 180  
aagttacttt gtgtacttga cggaagatta gggaaaaaca atccacttcc atatcttgag 240  
cagtagttaa ctagtcttct acctcatctt cccaaatatc gtcgtcaaca tccacagcat 300  
aaaacagccg gttaaaacat ggtgaaccag ggtcattgaa atgtttgtaa gggcgcgact 360  
ctagagagag aacccatgca aatccaacag aaatattgca tacagccagt acatgtcatc 420  
ttgttacatc cgtctaattt ctctatggga gttccacaac atgggcagct ctttgagttc 480  
ttctctagcc actccttact ttccatctct tccagtgcct tctgaatcac t 531

<210> 467  
<211> 416  
<212> DNA

<213> Homo sapiens

<400> 467  
 ttttttggat gagtcttccg ttttattaca aaaatgaaga tcagtttgat caaaatgaaa 60  
 gcttggtcac aagttttaca tgaatattct aaatacaaaag tctcctgaaa caacatactt 120  
 ttgatatgat tttcattttt aaagggatgc aaacattcca ttttctcatt tataatctat 180  
 tccaaggcaa agtattttta taatgtatcc tttctgcagt tagatcaciaa ttcacaagta 240  
 taactgaaac agacaaaacc ttgtcagcaa aggttaaaag tccttttttc tttaaaaaaa 300  
 aaaaaaaaaa gaggtaaata accagccctt atgtgttttc agaattttgt actacactga 360  
 catgatttgc agtcagggtt ttcttctctac cccttaaggc tacaaaattc tgttgc 416

<210> 468  
 <211> 338  
 <212> DNA  
 <213> Homo sapiens

<400> 468  
 gaaaaatcaa aaattttaat cttatcatct ttacatacaa caaacatgtc aagaccccct 60  
 attgtctttg aaaagggtccc cctcccccg ccaaaatctg tagaccataa gtcttgacct 120  
 aactgacct ggtttgtaaa atatcttctt ctgtgtactt ttccttctcag cctcaggctc 180  
 ttggctgatt cgctcacaac agaagcagct tggcttttct ctggaagtac caatttgaaa 240  
 gccaccagc ccgcaaaccct agagtgtatt ctccaccctt gggtcacaga acttcgttct 300  
 ccccggtctt gtaacccaag gacctacag cctctgag 338

<210> 469  
 <211> 337  
 <212> DNA  
 <213> Homo sapiens

<400> 469  
 tatccaacca tttataatct ttattctata attctccgcc agtgctagaa ttttcttccc 60  
 aaatggcctc aattcggaca ctgaataaac gataatgaat tttttaaaagc tgtgcttaaa 120  
 tataaacaaa ataaaccgct aagtttttct ggctccaagc acgccatatg aagcacgcca 180  
 atgtcactta tgtgccctga tcacattcag gcaaagtgtt cttcacttta aatactcctg 240  
 tgttccatta ttgtttaagt aaaatcctat ttcaaagtc tttgataaca gagaaaccgc 300  
 ctgtagacaa actctttgaa agtgactgaa ttaatgt 337

<210> 470  
 <211> 393  
 <212> DNA  
 <213> Homo sapiens

<400> 470  
 tttttttttt ttttttttct tgttatgatt ttattttctt aattgttcca atcacagttt 60  
 ctaatacaga aataaaacta ttcagcgtct cgttcttgc ttcattttgt ttcacagaga 120  
 tctgcatttc tgagtttcca ggctccaata gcagttctgt taagaacaga cagccagtat 180  
 catcctgagc actgaggtat gctttccatg gccgagacc agccctactc attgcgatgg 240  
 tctggatgtt cactacttga agagccatct ggagggtgtc aggatggaat tctccccgcc 300  
 aaggcaacac ttgctgatga gcaactttaa ggctaagcca agttttctca aaataatcag 360  
 cagtaagctg gcgattgggg actagcatga ggg 393

<210> 471  
 <211> 545  
 <212> DNA  
 <213> Homo sapiens

<400> 471  
 tttttttttt tttttttttt tttttttttt tttttttttt ttttaataaat atgagcattt 60  
 atttggcacc cgatggcaat acaaaatcct ggcagtggga gtggaaagggt tctctctctc 120  
 aaatacttcc atactatgtc gacccaaagg caggacttgg cagcaaggct caciaaccac 180  
 ccaaacaaat atttattgag caccttgact actacaggcc tagcattttg ctaggggacca 240  
 tgggagatgt gaagggaagt atctcacaca tgatatgtct tcaaggagct aaaaatgcc 300  
 gtggataaaa gcaaaacaca tggaaaaaca aagtacaaat aataatccgt gtatattgtc 360



tattttacatg atacttactg caaagtaa atacaaatgaa ctcccatcat tttagttcag 240  
aacacaggtg atataatttc aaaacaaagg caattttttt caacaaagaa cagaagtctc 300  
ccaagtacca attcactatt ttgcagaaaa atacaacact aattataaga tttccattcc 360  
agtttagtca gtaagatgcg ttgtttgttt gtttgtttgt tttgttttta gaaacagggg 420  
ctcactcggt caaacgggct ggagttcagt ggtggcgatc agattcattg gagccttgaa 480  
cccctgggct acaaaatttt tcccactagg gcccgaagag ctgggg 526

<210> 477  
<211> 702  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 477  
tttttttttt aaaaagttga gtatttttat tgggtcttca aatctgggtc ccacagtcct 60  
catttgatgt cactcttagc tctgtactga tctctcctct gacttttacg gagggcttgc 120  
anaagtagcc tattgcagcc aaagtttcac tccaaagcta cctctctaag gtctaagggt 180  
actatggtaa agttttatac aacagttttc cttaaaaata ttccacgatt tggtactccc 240  
aaacaaaata agattatgca cactcggag aaatttagtca ttctgaagat gtctaagaac 300  
tatatcactg ccaaagaaca tttctcagtt catattcttt cttcaattt tcatttgac 360  
atccacactg tgggggttcac aagtcactct ttttccatga tcttatgggtc aagtcaagag 420  
gacttagact tatacatcat tttccaacag ctgggatgcg attcacagtt tgggtgcatac 480  
ccatatgtat gaaaataaga acctcactcg gtttaatcga taattcacat cgagtctcag 540  
attggcttgg gcagtcttca gtactcctca catgagatac tgntacaggt gtcagggttca 600  
ggtcatcgga ttgagtacca gggctatcgg accagagcgt cagtgaagta accacatctt 660  
gctcacttcg acttgcagta accatagcga cgggactgtg tt 702

<210> 478  
<211> 441  
<212> DNA  
<213> Homo sapiens

<400> 478  
gggtcaacag atacacactg attatctaac ttatcatcaa ttggaagggtc tagttcctca 60  
ttaaacatgc ttttcttatc tcccatgtca agttctggat ctgtatatgc aatgatatca 120  
aactctcctg accttaagag gtcattccag ttgggatcat tagtttccaa attatctaaa 180  
gtatccaatt caactacctt gccatcctct gtatctaaat ttaagttttc aagatcttca 240  
tcattctaagt ctttgacttc aacccctca aggtctttta catccagttc cttcacagaa 300  
gggtcatcag aatcaagttt ttcctctaga ccacagaag gctgggtggg tatctgtaaa 360  
ttatcagacg ttgtttcaga cggtagagat gttgacaaag gagcttctga aaattcacca 420  
cctagtggat gggtcagagt c 441

<210> 479  
<211> 419  
<212> DNA  
<213> Homo sapiens

<400> 479  
tttttttttt tttttttatg ctcaaactaa ggcattttat tagctgggctt tacaacttaa 60  
ataatatctt ggctttcaaa ggaacagctt ccactaattc caaattaaac tttcacaagt 120  
ttacttgttt ggggagggac attcttatgg tcaccacaaa atacttttat tataaccttc 180  
cccaaattct ttcttagcat taactggaaa aaaaaaaaaa aaaaagctta ggtcaaatat 240  
caactgcctg aaaaacccaa ttaagttact tttccttaaa acatgtgcag tataattgaa 300  
tcaaaagaga aaactgcaaa tacattgtgc tttggccaga agtagagttc atttcatgat 360  
gattcagtat cttcagatac tatttttgac acttgccata aatcttagca aagtaaattc 419

<210> 480  
<211> 474

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<212> DNA
<213> Homo sapiens

<400> 480
tttttttttt gatctgcaaa atttttattaa gcaatagctg gacaactggt acaacttcaa    60
atcatcaaga aaaaaataag gagattaatc cgtctcagta ataaagacag aaaataactt    120
ggacaaacca catcggttttg aatgcaaacc attaatgcct tctagaatat ctcttgacaca    180
atctaataca caaaatacgt aagaagaaag gcaaataagg atgagctcat taaaacgcat    240
ttgggagtcg caacagatct tgcttggaaa gtaaaaccag caggatgctg aattaaaaaa    300
caaacaaacc aacactggag gaactgaggt gcacaagcag tgcacgccac tgccgaggtc    360
tgacatgaa catgctggtg gtctagtttg gtctggggcc tatgcacctg catcgtgcac    420
ttacggttaa aaaaaaaaaa aagggaaaaa gaaaatgcc a gtagtaataa actc        474

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<210> 481
<211> 450
<212> DNA
<213> Homo sapiens

<400> 481
tttggttttc caagtgttag ccatttataa ataagtacat ttgctttcat acatacagtt    60
ccttgtacag atgacaatct gtatacatgg ggcaggaaaa tgcattcatt tgaacttttc    120
acatctatct cacacagctc acatgtacag acaataaaac tgctcaagca agtacagcaa    180
aggaaaatgt ctttccttat acacaggggt agatgcctct gtgggggtgtg gggcatcccc    240
actgcacggc ttcacaactg tgtggtgttc aatatatcag gagagagaac aaacatgcat    300
tggaataat actgtacaga gaaagtcctt tacatctgag tcatagaaaa cctaaaggaa    360
aactaagtgc attaaagctt tttccagcaa gtgtcttgaa aggacagcaa agaggaggaa    420
gaatcaaat catattagta caaatcactc                                450

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<210> 482
<211> 135
<212> DNA
<213> Homo sapiens

<400> 482
gatcccaaag atattaaata tatgcaaata ttccaaagtc tgaaaaaatc caacatccaa    60
aaacacttct gacccaagca ttccagataa gggaccagaa ttattagatt aaataaggta    120
tattattaag ttaaa                                              135

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<210> 483
<211> 205
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

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<400> 483
gatccctcac tttatttata ttcccactat aaccagtaag ttcatttcat aggccctatc    60
atgcattaat cattgnatgn nagnagttaa tgaaaacttt tctgttaca acgccattg    120
ccggcaatga acgtaccaa accgccaagg aagtcattgt tattgcacaa tacatgagga    180
cctggagctt ttccaaaagc ttaaa                                    205

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<210> 484
<211> 409
<212> DNA
<213> Homo sapiens

<400> 484
aaacaataac agrggtcaac cacagatgtg gacctccagc aataaaagca ggaattcagt    60
gccagatact cagcatatta ggtttccctac gtaagtcaca gggtaatatg ttctaaatat    120
ctctaattgt atccaaaacc ctaaaaagag ctggcacaaa accatcgtga atgactgcct    180
ctcttgatgt aaatttttaa aaatattatt acagtatcat agtccccact aacaacaact    240
ggggtacata taacaatgta ttgtgaaatt aagtgtatth attctcttta ccaatagcaa    300
atgytaccct accttagtaa aaccaagact tgcttcaatc aatbctgttt tgtaaaatag    360

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caaagcaacg aatgctgaaa tcattcaaag ctgcattact tggggtaaa 409

<210> 485  
<211> 383  
<212> DNA  
<213> Homo sapiens

<400> 485  
aaaagctaca aattttttatt tagctattat taaggcacgt aggcacacgg acagaacagg 60  
tctcataggt aaccagttgt gtttcctaata aggggtgaata catatcattg ccatgaatac 120  
atctttttatc ataaaatgcc aatgagcatc aaaagtaaat ggtttgattg ttgttgtcac 180  
tgttttgttt aagaaaaata gggccttaaa ataagtgtt cagtgggaatt cttgaacagt 240  
aagtagcctg ttgatagtgg acctagttta aagcaccaca caacaatgtg tgtttacatc 300  
acccttttat ttcatagtta gaactaatac agttccacag ggtaaattgt caataaataa 360  
tggtgttttaa tcattaaaca taa 383

<210> 486  
<211> 204  
<212> DNA  
<213> Homo sapiens

<400> 486  
agaaaagagga ttgtaggttt tattgactaa gaagataaag ggatgcaaata tagttataca 60  
ggttttaatt ccagacaaca gaatagtggc tattaacaata aaaatcagta agtattctgg 120  
vcattgtttaa cttgaatatt caggtagggg rttttatttg aaatacgggt ctagrgctag 180  
tggaaggbga acgcctagag mccc 204

<210> 487  
<211> 425  
<212> DNA  
<213> Homo sapiens

<400> 487  
ttttttttct gaaaggcagg gaaagcttag cacttttttaa tgcccattcc cattcaaata 60  
tactcaattt gaagttattc aataaagtca aataataggt aaatacatat gcatacaaga 120  
aaatcagaaa atcttaaaat atttaatcca aaatgaagca agaaggatct tatgtggtct 180  
gaatattgtc actttttata aaaccaagcc tttcctcctt cagcagagaa ggctgaaggt 240  
gaacaggacc aacagagatc aaacagggggc acagaacaga aagtaggggg aggaagaaga 300  
gatgttttat tccagaaatg aaggaaagta aattatgttt ttgtatccca aagtcttagg 360  
agggttaggg catgggtggg ctcatgcctg taggtcccag cacattgggg agggccgagg 420  
caggg 425

<210> 488  
<211> 141  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 488  
actcngcagg tagcctgggt ttcagaaaca acgatgaatg atgcaaata ctagaattca 60  
gtgagtattt atcatagaag caacagcaag accactacta ttgctatatc taagtaatat 120  
cccagttaat tgccttagag t 141

<210> 489  
<211> 421  
<212> DNA  
<213> Homo sapiens

<400> 489  
gagttttatt taatgtcggg agcagattgg gtaataaaat gtattttgag aataagactg 60  
ccttttgacc ttttaggggtc tagggctgta aagtgtctca gggttgctgc caaacaagtc 120  
atgaactggg ctggattttt atatttgatg aaaaagagcc taaatgctat ctgatttcgg 180  
ataaagaaaa aggagcatta accttgacta tgccttttagc tccagccacc tttttaagag 240  
taaattgctg ggcaggaggg ggagggctag tcacggaacg aaactgtaag ccggaccagg 300

tgtgaggagg ggagggcgata aaaagattat aggggtggagg agcagaggct gaggaagaat 360  
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 t 421

<210> 490  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

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 aaaatcctga aataatttaa actgaaggca cagaacaaac caaaatattt aactatcaga 120  
 actaaaaatc gagaaaatcc aaatagttct atagtaacaa taaattatga acaagtttcc 180  
 gtcaacanaa ta 192

<210> 491  
 <211> 433  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 491  
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 gcattttcttt cttaagatac aaagtctgta ggagtctaatt tcttgataga aaaaaaaaaat 180  
 gtgggaagga tactaccacc tcccatcaat tcatgtttctt ctacttatac tgttcaaata 240  
 tgggaatgtc cctattctcc tctgtccctt tcaaaccaat tcaacctaaa ccaaagtgtt 300  
 aaggtgccct taaaagggca aggaccatta tacctatttc aggctggggg gnccaattna 360  
 aaattgggga aagggatcct tagggntttt ttcccctatg gcctttcccn ggaacccgga 420  
 ggggggggat tat 433

<210> 492  
 <211> 318  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 492  
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 ctcaacacag gtacccccaa aatacaaatc aaaatatcat cttcagctgc atagcaaata 120  
 tgatttaaga atttaacatc attatttgat cacaagcgta aatatgtcac cataaataaa 180  
 tgtaaattca ttgtacaaaa attcccaaca actcttaata caaatatggg tacatttgac 240  
 agtttctgaa acaggattat ttttaaaact ttttaaaacc taaggcttta tttttttccg 300  
 gggntattgg acacacac 318

<210> 493  
 <211> 484  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 493  
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 ggtacagaga ttagaagaaa ataaagtagg catgccaaac atttcagagc tagagtgatg 120



taagatggta	atataggcca	gatcaggaat	tagaaaaaaa	ggataaagag	caaaacagtg	180
cctcgtggcc	agcaacctta	tagtcatgta	ggactgactc	ccctttgtag	caaagaaagg	240
tgagactggg	tctgcagggtg	gacacctcca	acaggagggc	aacctgttcc	agctctaaca	300
tttctttcgt	tctaattact	ttcctctttc	cttctgataa	ttccacccct	taatgccttc	360
aaaaactagc	ttgccctgat	ggcaaaaatc	ttaatcccta	aaatctcttt	ccnttctaaa	420
atcttcttcc	cacgngtttt	tagggctggt	cactcaggan	caagctgttc	taatttaa	480
gttt						484

<210> 494  
 <211> 432  
 <212> DNA  
 <213> Homo sapiens

<400> 494						
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tgatttcact	tatgcccagg	ctataaaatg	cctttctctc	atccccagc	agagcactgg	120
gatcaccact	aggcctaggg	ggcatatcaa	gggtttaata	gactggggga	atgggcaaca	180
gaactggcta	ccttagaggg	tctggaatgc	ccccaccca	tccaccacc	aatggaagga	240
aagtcaggca	tcgctaaaag	gagtgggtcc	tatctagccc	caagtctgga	gcagaaaggg	300
caggtccatt	ctggcccaag	tgacattggt	aagatcctgt	cccctcccc	aatcactgct	360
gcttgccagg	gtgcctcttc	acagttccca	tgtggcagca	gtagtggcag	aggcagaagt	420
ggacttattg	ta					432

<210> 495  
 <211> 428  
 <212> DNA  
 <213> Homo sapiens

<400> 495						
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ccacaaaaaa	caaattttat	acaaatcagc	actgtaaaaa	tgtcaattac	agccccagag	120
gctttgctgg	cagaataatt	gtctaaatcc	tagaatatgg	gaaacagggt	tttttctgga	180
ttcatctttt	tttttcattt	tttttttttt	acaaaaaaaa	tttacaagt	aatgttact	240
acaaaacttt	ttataaggaa	tttttgcaa	acattttacat	tttaccatca	actatttctg	300
ttttaaaatc	attatgtaga	tttaataccc	tatgctgcac	atcaatttat	gtgggatgac	360
aacttagtga	catgcataaa	aaaacaccac	aaggcattaa	aatggagact	taaatacaaa	420
tattgttg						428

<210> 496  
 <211> 250  
 <212> DNA  
 <213> Homo sapiens

<400> 496						
tctttttttt	ttttttttta	gaagcagttt	attacaaacc	tgagataata	gaaaataaca	60
cttgacgtaa	taaaggaagc	agccttgac	tccacctcca	cactccagag	tataattaaa	120
agactcctat	cagacatttc	tatcaccaat	aatgccaaac	tctgtataca	gcagcaagaa	180
cgggcccaaa	tcagaagatt	catgttgctt	gctttctcta	taagggaag	tgaagctttc	240
ggtaagtatc						250

<210> 497  
 <211> 265  
 <212> DNA  
 <213> Homo sapiens

<400> 497						
aatgcacctt	tctcttattt	tattttttta	aataagaact	tggcattgaa	acatgaaact	60
tgagttttga	aaactaccct	ccaagatgct	gaagtatggt	tactttttct	ttgtaaaagg	120
gggcttaacc	tatgtttctg	aagggtctaag	tctgtgcaga	taaattatat	gacatgtatc	180
tgttttttaa	acactctata	tgctgggtact	cacatagaaa	tagaagccag	aatgagaagc	240
ctcccaaatt	atcccatcct	gacag				265





```
cagcgacagt atatcatgcc agctgaatcc agccacgtat ctgagatagg atcatatttc 300
tgcactgtat tcagatagga agaccctgag tgaccaccga cgacataaag gtagttatcg 360
attacagcag caccaactcc tgttctaggt tctttcattg gtctacacac agtccactga 420
ttttgatgag gatcgatatct ttcaatgct 449
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<210> 508
<211> 398
<212> DNA
<213> Homo sapiens
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<400> 508
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aatcagctca aagataccat tactcagaac aatatataca aaaatctcag ggaaaggaga 120
ataaaagaac ttaaaagaat acaacttgaa caggactgtt ttactaaaat ggtcttggtg 180
caaaaataata acaaatacca cagagagccc tacatgagaa agccatgtgc cttcaagcct 240
ggggatgagg actctagttc tcaaattcctt agaacatagc acatgattct ccaggcagag 300
aggctggctg gagaatgagg acctcactgc tgactctgct taacaaagtc catgccccag 360
gcacaggcac acatggaatg aggccaccaa gcaagtca 398
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<210> 509
<211> 457
<212> DNA
<213> Homo sapiens
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<400> 509
ttttgtctaa agtactttcc tccatccatt actcactcta aatgccatgt gtccttacgt 60
attacaaatc catttctcta actactgaat tttccattta actcatggca ttaggatgct 120
gaaatgaaaa aagcagtcag ttacctcttg taacaacgga ataatagtat gcaggggcat 180
ccttaataca gtcttcttta taagggtttac attcctagtt tgaagtactt tctgtgagaa 240
aataaaaagga ttattaagat gagcatactg acaaaccaag gacatcacag aaaaaaaaaa 300
gtctgtaaaa atgaatccct taaatcattt aagaccaagg caataaacta caaactgaat 360
ttagcaaaaa taaagggttg aggactgaa tggagtatgt tatattacgt cttgtgctta 420
acagacaagc acagtctttg ggtatcagta aatttac 457
```

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<210> 510
<211> 391
<212> DNA
<213> Homo sapiens
```

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<400> 510
gcagctgttg taaaagtggg tgagttcttg atttgattct ctgcttggtc actgtagatg 60
catagaagag ctactgatct gtgtacattc atccagtatc ttgaaacttt gctgaattat 120
ataatcagtt ctacgagttt tctgggggaa cacttagggg ttggaaatta aataacctgc 180
tcctgaatga gctatgggtc aaaaacaaaa tcaagatgga aattaaaaaa ttcttgaact 240
gaaagacaat aatgacccaa cctatcaaaa cctctgggat acagctaagg tgggtgctaag 300
aggatagttc attgccctaa atgcctacat caaaaattct gaaagagcac aaacagacaa 360
tctaagggtc caactcaagg aactagggaa c 391
```

```
<210> 511
<211> 411
<212> DNA
<213> Homo sapiens
```

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<400> 511
tttttttttt tttttttttt tttgtagtaa aatggccaga tgtttattat tttgttacat 60
tattttccatt gcataattcca catctattta ttttcacttt tatttattat cattattttt 120
cacaaaggta caaggaatth cagaaacaac attaaaacaa tcattcaaac tgtttcaggc 180
acggtttcaa ttaaaagcat agatttgatt tctgacttcc tgtttccttc tatgatacaa 240
tctcaagttt tgtttcagga agcacaatta ttgtagcggt aagggtggata cctgccaaag 300
ctcatctcct agtgctgtcc tcattctcag aaagttcctg agtcaacaga aaggggacgc 360
ccagggtatg gaataaggag atgagagcat gctctgccaa ctggctggga c 411
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<210> 512  
 <211> 269  
 <212> DNA  
 <213> Homo sapiens

<400> 512  
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 ttccagttca aagttgcttg tgatcatagc cacgtgtgaa ccgtagaca agtgtatgct 120  
 atgccccaaa atgttttata attcttcagt gcagtttctt actgatgttt cccttaaaat 180  
 taaggcttaa tgaaagagaa atccatagta ttatgaactg attttcttta gcttctgaat 240  
 taagtgcact ctttccaaaa tcaagtgggt 269

<210> 513  
 <211> 366  
 <212> DNA  
 <213> Homo sapiens

<400> 513  
 ttttttttta gtgtagatat agacttttta aggtaaaaag aaagaataaa gatggagggt 60  
 gtgataatcc tatgaagtgt ctgggtttgg gtcctgaggg cagccaatta catcccagac 120  
 tcaactggcaa tcaacagtc cagccagggt cccatcagct gaatcctgag gtgggggatgc 180  
 ttcagtcttt acagaacagg gtcaaggaag agtccagaaa ccgccgtcat tggcttcatg 240  
 aaaaccgagc acgtctttga gatctttttc aaattctgcc tctaagtcaa gtcctacctg 300  
 gccaaagtca gaagccttgt aaaatgtttt atgggtgcga aacatcaggc gcatgtctcg 360  
 cacaaa 366

<210> 514  
 <211> 418  
 <212> DNA  
 <213> Homo sapiens

<400> 514  
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 gatcttgagc agtataaaac tcagaagctc cactgagggtg aaggaaacat ggacatgata 120  
 ctaagcaaag cctagtcttt tccataaaat gaataagaag tacatttggg ggagtttgag 180  
 accagcctgg gcaacacagt gagaccctgt ctctaaaagc attaaagcat taatcctcgc 240  
 atttcgatag ggctatgtag cttttaagta agcaatgtta gaatgagttg tagagtttta 300  
 tttttgtgaa tatagtgagt gacagatggc aattacatga ggatatttga acgaaggtag 360  
 ataagcctaa acaatttcac ctaggtaaaa tattgatgtc ataaccaaac tatatggc 418

<210> 515  
 <211> 195  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 515  
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 tttttttatt acttaagact ttatgggaga gattagacac tggaggtttt taacagaacg 120  
 tgtattttatt aatgttcaaa acactggaat tacaaatgag aagagtctac aataaattaa 180  
 gattttngaa tttnt 195

<210> 516  
 <211> 125  
 <212> DNA  
 <213> Homo sapiens

<400> 516  
 gatccatgct ttactgtgtt taatgggggt aacaggggtc cctacagccc tcccagctaa 60  
 acatttggaa caaaacacca gcccttttgt agtggatgca gaataaaatt gttaatccaa 120  
 tcaaa 125

<210> 517  
 <211> 353

<212> DNA  
<213> Homo sapiens  
<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 517  
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aaatacaata attgcaaagg aagtggaacg tgttcaaaca gaaatggtga caatgagtta 120  
gaactgcagt tntttcaagg tactacacta ttatttaaaa aaaaaatcac aaanagaaaa 180  
atgttatcac tacaagtagg gatttaggaa gngagnaaat tctgggcagt ctgtctagna 240  
gggttaaaac atttcatggc atttgtgagt tgctgttggg gagttgtttt ttatttgtcc 300  
accgtaatct gggcaacatc cgggggctta ccttcagctc tcggcactgt gcg 353

<210> 518  
<211> 290  
<212> DNA  
<213> Homo sapiens

<400> 518  
ttaggaagaa ccaaaacttt attattaatg ttctgtttat ttacttattt ttataatat 60  
tttataaata aactttattc atataaaaca ggccaaacat ctgactttca aaaatggcta 120  
ctgttataaa atcagaaaca tagagtgttg ggaatactga aatttctaaa cctttatgaa 180  
taacacaatt gcttaagtta tatccacaaa gaacagaaaa gaggcaagct tgaaaatgtg 240  
aggatagaaa ggtatcacag tgatgtgttt ttacgaaaca gtaccttccc 290

<210> 519  
<211> 453  
<212> DNA  
<213> Homo sapiens  
<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 519  
aaaatcaaaa taaaagatat tatttgagct attttcatac aaactgttgg ttccttatat 60  
cctcccttct ataataaagg gcatatttta ctgcaaagaa aattttactt tatatatatc 120  
actagccata aatttttgaa tgtcattaat tacatgttgt ctagtaccat taaccaaata 180  
gcgtaactat tttatgtcca catttcactt ctgtatttac aaacatatca gtaaagagtt 240  
aacaatgaga tgcgatcaaa catccatatt atctgttttg tagacagcaa tgtagatgat 300  
tttghtaatca cctttcatcg gagtgacctt atataaaaaa taagtcaata atttagaggt 360  
tctaagtctc caaaggggga ttttccaaat ggtaaataata ggaaatgggg tataggataa 420  
tgggganntt tagggaaccc ccggccntgg gnt 453

<210> 520  
<211> 434  
<212> DNA  
<213> Homo sapiens

<400> 520  
tttctgtttt tatttatgcc tttatttatt ttaccaata gttgatatac ctatataata 60  
ttcacgtgcc acaaaaaatat gagaagatta catgtgaata ttgatctcat gggtgataaa 120  
gtatacaaaa tgttgattaa ctgaagcaga aatccattga gaaatgctta taaccatcag 180  
gtattacatt tacagatgtt gccaaagtcaa agttgaacat ccacagtggg aactcatca 240  
taaactctgt ttaatcttta aaaggagaca gagaaatagc caagtacgta gaataaaatc 300  
tgccaatca ttctcctacg attcttctat gcttgagttc gttttatagg agtcttatta 360  
catgcacgtt tacattcctt cccgatatac atatttctca ggaaacgtgg catcctgtag 420  
cccctgctta gaat 434

<210> 521  
<211> 346  
<212> DNA  
<213> Homo sapiens



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<400> 525
gcaagtttaa tgtctctgct gtacatagan ttaagaccct ttccccctcc tcatccttat    60
gctggcaata ggatatgcac tagaaaatth gactcttaga gtcaatgant aaaaggatgg    120
gctcatcacac cttcatagct cttttcaaaa aggatgctta taatttaaag gatgtcctaa    180
tggaaggaag aggtacaggg caagaggctg tttcacattt tagtccatta gtctttgggc    240
agagccaacc aaggccaant tcacctaggg atgcccattg gctgtggggg atctccacag    300
gggtcaaggt aaggcaaacc ccaattggaa catgtttggg atttaaaaaa aaaacaagtt    360
ccttggaac tctttgnagg gnggggcttt caccctggna aag                                403

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<210> 526
<211> 430
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

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<400> 526
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ataaggaaaag gctaggtggc cacatctctc tgctgtgacc tcgccatctg gaaaatnttc    120
tgaaaggaaa aaaaaaaaga gttattggga aggcacatct cctcttatct ggagacaact    180
ccacaaacag aagctaaaaa ggtatgcctg ggatgactca atctgattgg ccacatcttt    240
cttgatataa cttctcatct agantcatag ccttttagag ccggaaggga cccttgggat    300
attaattacg tgggttcagt ccttccctgt tttcacagaa gaggaaaact tnaaagctta    360
ggggaggcct gattttaccc ccnaaattta ccaccagnng gggaaaaaaa ngcccnnggg    420
ggnaaccccc                                430

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<210> 527
<211> 390
<212> DNA
<213> Homo sapiens

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<400> 527
ggctttcata attatattht tcttttaaag aaaaatatca acccattgtc aatgcactgt    60
ttttcaaagc atttaaatag agggtaaaac cctttggaaa ttaatacaga agaaatgatt    120
cactttatgc ataaaaaata aataataata tagctgagac atgtggtttg cttctgctct    180
tgaagatgtg aacagcttct aagcattcat tttctctgac ccatacaaca gcttctcagt    240
gatacagggg ttaattttaa cacatacaat gtccaccccc aaaccttctg cccacatcta    300
caagttttat ttattttgtg ggttttcagg gtgactaagt ttttccctac attgaaaaga    360
gaagttgcca aaaggtgcac aggaaatcat                                390

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<210> 528
<211> 144
<212> DNA
<213> Homo sapiens

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<400> 528
gcatgtgcaa aacaccagac acatacagaa acaattagga ttctatgagg gcagagaatt    60
tgtttctcta aatggggctg ttcaatgttt cacagagcac aaggacaaga aattcaatat    120
ttttgagcag aaggagaac tcat                                144

```

```

<210> 529
<211> 315
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<223> n=a,t,g or c

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<400> 529
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aagtttccag ttaaagatat aaanctgct tctaaccaca gcagcatact gcttcaagta    120
ttctcctcct atgtaaggtc gagataatth tgtcacatat gaattttagg tggacatctc    180

```



atttcctcac atattagaca tcctgctggg gtcacagctt ctttgttcca tttgtctttt 240  
 tttgttgttt ttttaataaga cattgcaaac agtagctatt tcttaaagtg acataatttt 300  
 cgctttttgca ttctg 315

<210> 530  
 <211> 484  
 <212> DNA  
 <213> Homo sapiens

<400> 530  
 tttttttttt tttttttaaat gcaacatata aactttattg aacaaaagta aactgtttca 60  
 gtaaactcaa acaggcactt aagagaaaaa ctgactggaa gaacttttat cttaaaccatc 120  
 ttacagtaac ctacttgacag ttgcatltaa ctgagctctg ttgctgtgaa gaatacagct 180  
 catgcacagg tatggatgaa agattttgtac atttctcaag tattcactga atactacctt 240  
 atatacacat atacattaaa tttgaaaaag atttgacgat cccagataa acttcatttt 300  
 tggtgatctt ttggaagagg tcgtctaaag agaagaatat gtggttctgg ctcatgaatc 360  
 atggtaataa acccagccta gactctgttg gacaccaagt ctctccact cctcttcaga 420  
 catcagatga gttttaggta cttgtttgga aagttctctg gggtaacata acatgccggt 480  
 acta 484

<210> 531  
 <211> 287  
 <212> DNA  
 <213> Homo sapiens

<400> 531  
 tttttttttt tttttttttt ttctatctgt gaaaaacatt tattctgaga atctaaaatc 60  
 tggacaaagt actggacttt agaaaaagcc tacacaaaat tgtctcattc ttccctaata 120  
 cattaataat ctaagaataa ggaggtgaaa aaaacccttt aaaaataaca ttgctccagt 180  
 ttgtctgcag gtatgtgatt taaaatatcc ctgttttatt gaggtatagg ctgcaaactt 240  
 tggtaaaatt aggaaaaatt aacaaaccct ttcaaaagaa aaaaaat 287

<210> 532  
 <211> 428  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 532  
 ttttttttga gacgganctt ggctctgtcg cccaggctgg agtgcagtgg cagagtcttg 60  
 gctcactgca agctccacct cccaggttca cgccattctc ctgcctcagc ctcccaagta 120  
 gctaggacta caggtaaccg ccaccacccc cggctaattt ttttttgat ttttagtaga 180  
 gatggggttt caccatgtta gccaggatgg tctcgatctt ctgacctgg gatctggcca 240  
 cctcagcctc ccaaaatgct gggattacag gtgtgagcca ccacacccat cctcgcccag 300  
 ttattaatac cttccctctt caagtccata ccttgcaggc taattcctcc ctggaagaag 360  
 aggattccaa tgctcctgag cataaaaaat tcaggctcctt gaatgacgtg gaccattct 420  
 ccagctct 428

<210> 533  
 <211> 496  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 533  
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 gatataaaaa ttggaatgta gaaggtgggg caagcccctc cctcaggact ggaggcggca 120  
 cagggacaga gccgcaactga agcgggtgag cgtgcgagaa acatacagcc gagcagntgc 180  
 cccgaacact cagtccaggg ttggaagcatc gccccggcac ccccaaccc ccgagcccac 240

tgcgcaccca	caggaagagt	gcaggctttt	cacatttcag	agggtggggt	ggggtggggt	300
ggggcggggg	gggccccctg	cttttggggc	tgccctccag	cagccctgga	aggacacagg	360
cggtgatggg	gggagaaagg	ccccctctcc	caggggaggc	ctccttggtc	tgagcttggt	420
ctnagggtctc	tgttccagta	acagatgctg	gtttttgttt	tgtttttttt	tttaagacaa	480
ggtntcgcct	cgtgcc					496

<210> 534  
 <211> 492  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 534						
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gggcagtcgt	gttccctgag	gccacatttg	gaacagtgca	tctttatgcc	agaaatttga	180
gcccagagatt	actacattgt	gatcttatga	tcaaacctaa	caagacaaag	acacagccaa	240
gtgggtactgc	ttttaatatc	tcagagttag	ctgtagggat	ccaattattt	tcagtttgga	300
tacatttccc	ctttatcaat	atctccatgt	gcataaataa	gatgaaagtg	gagttccaga	360
atcaaaaaaga	gatgggaact	cacatcactg	gggcagactt	gttccatctg	gaagtgtacg	420
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acatcctttt	tn					492

<210> 535  
 <211> 489  
 <212> DNA  
 <213> Homo sapiens

<400> 535						
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atggcaaaaag	tagaattcaa	tcaactagtga	aatgttttaa	aaatatatat	taaaccaaaa	180
aagtgtttttt	acaagataaa	aaataatctt	ccacaatgta	attaattgca	gatcactgaa	240
attttaactc	tttagatgat	ttcagttcag	ttttttgggt	tcaaaatcta	gagacagtca	300
aacaaaagca	caggcagaat	ctctatctgt	ttttacgttt	ctctttcttg	ctttgactac	360
ttgttgcgct	gtttaaagac	gatgatgaag	gtgctcttgc	atgacctgtg	gccttttagat	420
gggtcaaaaaa	gtttattccg	agatggaaat	tcactatggg	caggttgtag	agctggataa	480
gaacactca						489

<210> 536  
 <211> 459  
 <212> DNA  
 <213> Homo sapiens

<400> 536						
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cccaggagat	gacactgcct	gaacagataa	ctgtccctgt	cgctccccc	tccactctac	180
agcgacaccc	cttccacagc	agtcagctgt	tttccaggta	caagagacac	ctcaccaccc	240
tggccagttt	acagaccagc	tttcgagccc	agaaatttcc	ctgtaggaaa	tttgtaagga	300
ccactggctc	atggggagga	aataaatcaa	taaaaggaaa	aaaaaatgaa	taatactgtt	360
tttttaaaga	gagaatgcaa	tcatcctttt	cttaagaaga	cagaaagcca	aggcattata	420
tttaaataaaa	aatttaaata	attgaatgat	tttaaaaga			459

<210> 537  
 <211> 401  
 <212> DNA  
 <213> Homo sapiens

<400> 537  
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 cttcttttctc actgtgaggc agaaacaaat ttatctgtat gtaaactttt ccagtaaatgg 180  
 gtgatgctgt gacacctgca gaaagcagcc tccctctgtt actactataa acacccattc 240  
 tgcaggcagt gtgagggcac agccttctgg agtgccacac ctgggtacca cggcacactg 300  
 gtgcatcccg ggaagatggt cctagggcac cacatcttgg gtaccaagag gactgtgtgc 360  
 atccaattag accgaggtgc aaaagccaat gcgtcaacat c 401

<210> 538  
 <211> 431  
 <212> DNA  
 <213> Homo sapiens

<400> 538  
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 ggtgaactct ctggcgcagg ttaaatgcag ttttgaaaac ctggaaacat caaatggagg 120  
 cgggaaatag gctggggcga cgttgagggg ctgaacacag cagtgaccgt gggtcagcag 180  
 gtcgcctgcc cagcagctcc tccaggagag ggctcgggcg cccctggcag ccgccatacc 240  
 cccaggacct ggctcgtgag tgcgtctggg tcaggaagag acctctctgt gcgtctcagg 300  
 ctgagatgca gatttctgtt ttctaaaact ggaagcgacc ttgacgtgta ttgaaggtgt 360  
 gtgtgccaaa tgcttccgac ggaggtgctg gccttggttg gtttctctct gccccgtgtg 420  
 gtcacatcaagt c 431

<210> 539  
 <211> 188  
 <212> DNA  
 <213> Homo sapiens

<400> 539  
 gcaataaata aaacttttat tcaacaagt aactgcagta cagggcaciaa ttcagatttt 60  
 ttaaaaaaaaaa ggaaaggaaa caggaaaaaa atatgttcag cactttacat cttcatacaa 120  
 gtgttgctgt tttgtgtcta cattcatcca ttgagcatgg aatcccctgg atttgaaatc 180  
 ttttagcgg 188

<210> 540  
 <211> 346  
 <212> DNA  
 <213> Homo sapiens

<400> 540  
 taacagtagg aaaaaccaca ctattaaagt ataaaatttt gtcaaggctc tattttctaa 60  
 gcctatataa aggccaggta gtaaatatatt tgagctttgc ggcccatgtg atctctacta 120  
 cgagtactca accctgctcc agtaatatga aagtagtcac agacaactgg aaatgaatgg 180  
 atatggctgt atttcaataa aatattactt acaaaaatag caggaccaac acttgctgac 240  
 ccctcacttt cataggtttt ataaccttat taacttttaa aaggtagttc tacaacctct 300  
 caaatgagaa tgaaaatgaa gacaaagcta ctttagtggt ttaaag 346

<210> 541  
 <211> 384  
 <212> DNA  
 <213> Homo sapiens

<400> 541  
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 actctccatc atctttggct tggagtacaa ctccgtcctt ccatctaact tgctgtctc 120  
 caatcgttct cccctttgat gtgcagggca gccactgatc tctctaact ttacagaaga 180  
 atgcaccact tgggttggtt aaaacccttc aatggcttcc cattgcccc agttcaaact 240  
 ctgcaatgtg gcctacacat ctctctagct tcacctcctg ctcaatatcc tacagcacag 300  
 tgaagttctt ggtggctctc aaaagggccc tcaaacttca aacattccct tcaacctaaa 360  
 atcctcaatg gacattactg agtc 384

<210> 542

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<211> 183
<212> DNA
<213> Homo sapiens

<400> 542
ttttattaaa gcaatgactt attagagact actggtatat gaagctgcaa tacacatggg 60
gatcaattcc tccaatttca tgtttcctta ctatgtatgt atctcttttt gttttttcat 120
tctggttaacc agagtacata tgacaggctg cattatttca aatacctaac actgaaagtt 180
act 183

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<210> 543
<211> 329
<212> DNA
<213> Homo sapiens

<400> 543
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gtgccacctg ttccggggcg gaaagagggc ccgaggaggt taaggcaatg ggggagaagc 120
agggggctga gcggcacatg cgggtgaacca ggccgaggcc ggaggagctg tggtaggcca 180
gggagggtgg aaggcaccgg actgggaccg gccagggcta cagggcgagg accaggcaca 240
cgggcacccc ggaggcgggc acagggtcac gtgacacaga acatgaaaca caggcacagg 300
gtcataggcc agatgcacat ccagccatg 329

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<210> 544
<211> 442
<212> DNA
<213> Homo sapiens

<400> 544
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gttttcaaag caatctagtt tttaaaaaag ttgaagacaa gacagaaaaa agaacatgac 120
acctaagaga atcagacagg acagacagac gggagcaggg gggcggggac agcggctccg 180
tgagggtcag atcttctcca tcttgagat gaggtcgtcg cagatcctgg tcagctctc 240
gttctcttta gtcttctgct ccaactgtct ctccagcgac tggatgcgca tctgctcctt 300
cctcaggctg gcctggaggg caacgcttcc gcctgggcct tgctccggac ctgggcgatc 360
tcctcgtttg ccagctgcag cttctcctcc gcgtgggcct tcagggcttg gtacctctgg 420
ccctcctggg tgatccttgc ca 442

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<210> 545
<211> 526
<212> DNA
<213> Homo sapiens

<400> 545
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catatccgaa tcaccagcat cactactcct gctctctggg gccactgtta agcaaagtga 120
ggactgcttg ggcacaggca ctgtgatgct gggatagttg atctgatcac caagacggct 180
actaagtcac tagcagggtg ggtggcgtat acagcgtgga tgtgctggac caagggatga 240
ctcacatccc cgcccggtg gagccgacag cgagagattt catcacgcta ctcagaaggg 300
cacaccattt gagacttaaa attctttatt tctggaattt tccatttaat atttttgaac 360
tgcagttgac tgcaggtaac aaactgtgga aagcgaaacc atagatacga gcgggctact 420
gcgttcaaaa ggctcttcaa ctgttgtgga tcctctgatg ttctcggaga tggtttaggt 480
ggttacatgc cttcccgcac tccttacatt cgtaggattt cgccc 526

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<210> 546
<211> 375
<212> DNA
<213> Homo sapiens

<400> 546
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caaagttccc ctccccctc ccagcccgg gacagggacg gacaggctgg gctgaagatg 120
gggttccagt ggctgagggg cctctgagaa acaaggaagg gccctgggac ccagggcaa 180
gccatgtccg gctccccag cctggctgag tccacggcgc ctccctgccc agccctcggg 240

```

aaaggggaga gggcgctggc tcctgggtag ttccaaagtg gagtgtgaaa atagagagat 300  
 atatatatatt atatgcagtg ggcagtcacg cgtggcactc acacctctgt ctggaagtca 360  
 ccatccggtg gttct 375

<210> 547  
 <211> 355  
 <212> DNA  
 <213> Homo sapiens

<400> 547  
 agaacaaaat gggttttaatc aattgcgtca ccctcactct cctgggagcg gcaacgaaaa 60  
 aggctcggct cctgccccca gaggacagta aggcttatgt gtctctccac actgcagggc 120  
 ccaggctggc gaggcagggg gtgggaagca ggacaggggg cagggaggga ggggtgggagg 180  
 cagggaggaa atggcaggtg gctggaacac aagaaagcaa aggggaccca gctggtcctt 240  
 gggccccagg gcacgccccct aataactcctg ctctcccttc accctggcta gagaaaggtc 300  
 acgggagaaga gacagggggag cagggtccag cagcaggaga agcagcagca gctgt 355

<210> 548  
 <211> 225  
 <212> DNA  
 <213> Homo sapiens

<400> 548  
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 tccgtacagg tggatgggga tggagatcca gcgtcggagt acacagactt cagggggcct 120  
 cctgcctggc acgttcgttc gtctcccgta tcgccgtaag accctgagac cccgagcctc 180  
 tgcaggagag acgcacaaaag aagcctcctc cctgtggcct ggctc 225

<210> 549  
 <211> 266  
 <212> DNA  
 <213> Homo sapiens

<400> 549  
 gaatgtcatt ttattccaat gataagatac agattacaaa acttctagta taattacaca 60  
 taattacctt ttgttgtttt cctacaagaa atgcacaggt attttgaggt cttttgtatt 120  
 gcattatttg taaaacattg catagtatta gtttgtggct ctgttacaat gggtaatgac 180  
 aggaatgcat acagatgtct ctgctatgat aaaatgtgct cttgttgggt tacattaacc 240  
 ttccttcaaa agggatttct cagttg 266

<210> 550  
 <211> 332  
 <212> DNA  
 <213> Homo sapiens

<400> 550  
 ttttaatcag aaatatctgc gcacattgac aaatgtccac cggatgggaa gaagaatgtg 60  
 ggggtgtaaaa ttcccathtt tgagaccac ttgcttagaa tgtattaaag acctataatt 120  
 gaaaatacct tggcaaaaatc tcccaaaatt gtctctcaaa ataacagtat atacagtgtg 180  
 acatacacia catcctgtta tactaatgaa aaaatctaag aaaaactcta taggatgata 240  
 tttagatatt acagtcacta tattaactat taggataatg tgccactaat tccaatcgt 300  
 cactgctttc atgtagtgtc tgctccatat tg 332

<210> 551  
 <211> 433  
 <212> DNA  
 <213> Homo sapiens

<400> 551  
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 acccttagtc aatttttgaa ttgtacaatt tcaattgtac aattcttcgt tacactctca 120  
 aatccacaag tcattttgtgc tgaagtagaa ttggaaaaat gagaagcata tttctgcatc 180  
 tgagttctgc tctacctgca actccctaca tgacctaatg aaccaatttt ctcatctatg 240  
 aaacaagaca aacctgctgc aagggttttc tgttaccctc atgggagtgg tgggtaatgc 300  
 tgacgcccta tctgacactc tcatcactga aggtgtgtca tctgcatcct tctccagcct 360

tctctagctt ggccattca gatgtcaatc tgggtacaaga tctggctctt ctagttttct 420  
taagaattga tgc 433

<210> 552  
<211> 258  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 552  
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atgaatgtga ctaaaagggc catcttgctg gcttaatgtg tggctggaga gaccagcctg 120  
gagacaatgt ggcaaaatgg ggcgcttcat ccagtctgtc taagccctgt cgacttgggg 180  
agggtgatttc tttcctgggt ctatatgtna agcaaaataa atgtttttaa attaaaagca 240  
nnaaagcaga atgtgagt 258

<210> 553  
<211> 322  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 553  
aattnnaaan acatggctgc atttattgtt cccagcccgg cgagaagggt ttcccagaaa 60  
ggttccttgg gtcacctgcc caccagcct tggctctgggc tgccatgtcc ccacgggcag 120  
gagagaggca caagtcacag tcaggcaagg gagcctcagc ttcctgggag gtggctnttg 180  
gggtccctcc agtnttcacc tgggaccctc ggccagggtt ggacanattc cagggaggcg 240  
aggttgcatg gtccagcggg ggggtgcaggg ggcaacaggg tcggcggggt ttgcagggtc 300  
caaaaggagn tttcgggttg gg 322

<210> 554  
<211> 503  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 554  
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ctgtctcagg aatgggggata gatgggaggt tcttgaagcc ccaggcatan tggnnacctc 120  
tggctacagc ttgctctctg agacctgggg cttcactcgg atcacgccct cctggnanca 180  
ggtcacagct aggactccat cctgacgcca cagccgcca tggaccagcc cccgagagcc 240  
accggcccag gggctctcgc attcatagag catccagtgg tcagctcgga agggggcgtg 300  
gaaccacatg gaaatgggtcc agtgagacca tgaagtgcac cttgtctgnc cactggtgag 360  
gcagcagtg agtgcccaag aaggcatagt tcggagatat aggcggccac gagncagttg 420  
catttttcat gttcgncttc gnttgcaaca ggtccccttc agcctggggt cctgggggtt 480  
ncagttcagg accattttag ccn 503

<210> 555  
<211> 419  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 555  
ngagccagaa aaggattttt ttttaattcaa gtaactgaaa taggaaacca gagggggagc 60  
cccaggctgg gataaatcat ggctaccctt ccccaacaga acagggggag gaggtggccc 120

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ctacacccat tatggtcgat tggggcccc ttgctcactc tgctgcagca tcctagaggc 180
agggccccac cttccctggg actggggtag tgggtcacc agcctgcatt gccccagccc 240
ctnttcccca caaagagtat cttgggggag ggnttcgtgg ggcagaacag gagggcaatg 300
agggatgaac attgctcaaa ctcttttcaa aggggcacct gaccgcacag gggaggntgg 360
gcaggaaggg caagggntgg gggatgccgt ntaaggaggg cggangcagg canttttgg 419
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```
<210> 556
<211> 420
<212> DNA
<213> Homo sapiens
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<400> 556
acaaaataac acaattttatt actattttga acaaatcac aaaataacat tcagaaactc 60
aacattttcta aataacttaa ttcacaataa gtttagtcat aaagtcatgc tacaaaactc 120
ctgtgtataa aagattatta ccaagggtatt catagatgtt aaaatgttct tcagaatgga 180
gttggttcta gaagccaaag attctggaat gatgcttgta atcatgactg ccagcctggg 240
agaggagctg gctatgcgca tgtgctctta gcttccaact caccagtctt ttgatgggag 300
tgatccctcc aggcagtagc acctcagagg caggtagcct actgattcac agaggcaaag 360
agcctcccac ccatataatg ttagacaact ctacattcat ttaaaatcta gaggtgggaa 420
```

```
<210> 557
<211> 560
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

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<400> 557
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cattgattaa atttcaagag accacagact acagcattcc aagcacttta atttttgaca 120
gagccaaaaa caaataaaaag aatgataaaa atattctttt ggggtgtaaag agtattcata 180
tttgagtttt tgtatttttt tcttccctgc aggtattgtg aacactgata atttccaaaa 240
cataaattct ggtctggata cttgcagcaa atttttataa tctctacctg gataagaagc 300
taataagaaa tgtacttata aagtatgttt accgatacag tgtgatatgt ttgtttatct 360
tcatttcccc tatctatccc atgaggcttc ttgtctacca cccgggtacc tggctggttg 420
ggtaataaca ggacaggag gctgaagtga aacactccga agactggtac agaatccngg 480
gattttccgg aaagcnggca tttacnccct ttttttttaa tggaaagcct taagaccttc 540
agtggnttgg ggaacgggtcc 560
```

```
<210> 558
<211> 435
<212> DNA
<213> Homo sapiens
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<220>
<221> misc feature
<223> n=a,t,g or c
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<400> 558
ttttacatga gatattcaac attttattat aaaacaggct ttctgttaga tgattttgct 60
caacttttagg tgttctgagc atgtttaagg taggctaggc taagccatga tgtttagtag 120
gttaggggta ttaagtgcatt tttcaaatta ccatattttc aacttacaat agtttcaacg 180
ggaggttaacc ccatcgtaag tggaggaaca tctagtgcct ggcacacgag ccggttctca 240
ataaatataa ctcttctcca tcttcttcaa acctcaggcc aggtttcagt gacctctct 300
cactttctaa gattattttt gcttgcgtgg gggtttactg tcatttttaa ccacatctaa 360
cctaccttaa aaaagtgtat ggatgggggt gccagggtaca aagacttagc ataangaaaa 420
cgaccattta ctttg 435
```

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<210> 559
<211> 374
```

```
<212> DNA
<213> Homo sapiens

<400> 559
catgctggag tgcagtgggtg tgatctcggc tcaactgcaac ctctaactcc tgggctcaag    60
tgatctttcc aaccacagcc tctcaaagta gttggaacca tagacatgca acaccatgat    120
tggctaattt ttttgtagac acggtagttt ttgtagacac agggtttcac catgttgccc    180
aggctgggtct caaactcctg ggacttaagc agatccattc gccttggact cccaaagtgc    240
cgggactaca ggtgtgagct accacgccc aacgcatttt cttaaattctt gtgtatctat    300
aataattcaa cttaattaaa actgttttgc actatggata cacaaaaggg agggcccaac    360
aggtggattt ccct                                         374
```

```
<210> 560
<211> 337
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<223> n=a,t,g or c
```

```
<400> 560
tacanaaata tcctggcagg atctgaaact gtttctccaa atgtctaaaa tataatctgtc    60
acacaaaatg acccccaaag agaatcctgg gaagaaaaca atttctcctc ctccatcatc    120
caattaagta tttattaaac agtcaactata cttaaaatac ctttccaggg taccacctac    180
taaggttaac agactactgt tcaaacaccg caaaggaaaag gcatggaact aggataggaa    240
acaaggaaaa accttcaatt tttttttgtt ggcctttttt tttgttttta catgagggaa    300
aagggaacc aaactgaggg gggnaaaaaa ataaggg                                         337
```

```
<210> 561
<211> 417
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<223> n=a,t,g or c
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```
<400> 561
ccatctcagt cccccctgcc tgctcattcc tggggctcca ggccaatgct cagcagcaga    60
gagtttataa ataaataaat tacaaaagcg ggcagggagt ggcctggcca gccctcccgg    120
gnntantggc tcagtgtctc gtgagtgaca gctgcaggat ccgctgtaag tcctcctcct    180
cctgctgccc gcgccgntcc cgtcctcctc gctcccgtga aggacaactc cagggggccag    240
ggcgcagtggt cttctttcaa agctgggggtg ggaccgggtg gctgggggggt gtcctnngggg    300
aggggggatcc tngggggcccc tggggatcct tgtggggaca agcttncagg ctttttctgg    360
ggnaagggcc cnttttccag cttnaagct nttttcctca ataaaccgtg ggccttt                                         417
```

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<210> 562
<211> 295
<212> DNA
<213> Homo sapiens
```

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<220>
<221> misc_feature
<223> n=a,t,g or c
```

```
<400> 562
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gcagaagcta tacacaggca tganggcagc aactacagt ctccaattcc tgggctcaag    120
tggtccttct gcttcacctc ctgagtagct gggactacag ggacgtgcca cccacctggg    180
catgatacct atttcacaga ntctgttact atagaaaaac agctctccta ctcaattttt    240
tcttgtaaaa ttgtataaca ttattaggca aaactgggag antacaantt ttaaa                                         295
```

```
<210> 563
<211> 299
<212> DNA
<213> Homo sapiens
```



```
<400> 563
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tcacttattt tcacattttc aaagttggat tgtgctgcaa atccatacat ttgtgctcac 120
tacacatttg ggggtattaca ttcattgaga ggctccaaag catcagtcca ataaacattt 180
ttccagcccg ataaccatcc ttggaagaa ctaagaggta aaatcattca cacaactatt 240
ttttcccttc tacccttagc tcataagcat ttgaccaaat gccaatgttt ttgccagtt 299
```

```
<210> 564
<211> 404
<212> DNA
<213> Homo sapiens
```

```
<400> 564
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atggaaccaa tttcactaat atttacttta agggcagaga agtcaaccaa gtcctcacag 120
tctcaagaat caaaaacaaa acaaaaatac aaacagagag caagtgggaa gataaataac 180
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ttctcttcca tctgtgaaga cgtgttctct cctctctctt ctgagttggg ctgtgaagag 300
ctgccctggg tctcccgggt ctgacgggtg ttgtccaccc catctgaggg caccagggg 360
aattgccctg ggggtccgga gccctggggg tttctggata gcct 404
```

```
<210> 565
<211> 346
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 565
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acgtattggt caaaaatcac aagcatctgt ggaaaaaac taaggatta cagacactac 120
acggagggtc tgttcttaca ttcaagacac taaatacaaa ccgangcant gcaaaattgt 180
atactttaat tttaaaaccc antttttgtt ctcaacttga aaagggnaac acttttttgt 240
ttcacaaaca agctgggtcg gggtgggant tctttttggg aacagtaggt cccgcgctaa 300
acactgggtt cttgcctccc ccccccntt ctctaaaatn aacca 346
```

```
<210> 566
<211> 551
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 566
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atcccaggga ggggagggca acagggggag ggcggggagc cccanggacc tccactctcc 180
aaaggggttg caggccaggg ccnactactc atgttctctc aggctggctc agaacagccc 240
ctttgccttg gggaaggaag aagtgagaag cacctctatc acctggcagg agtttaggag 300
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ggccctttac agcaccgtgg ggtgaagtgt gtcttcccca ctccagcacc aagccaagg 480
nttggcacc tgccctgggg naatttgcc tnggtggccc ttgtcatttc caaggccaag 540
ctatgaatgg a 551
```

```
<210> 567
<211> 1201
<212> DNA
<213> Homo sapiens
```

```

<400> 567
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cccaggcgcc cgcgctgcac ctgcgactgt cgcgcgcgcc gtcgcagtcg gaccaactgc 540
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gctgccgtct gcacacggtc cgcgcgtcgc tgggaagacct gggctgggcc gattgggtgc 720
tgtcgccacg ggaggtgcaa gtgacctgt gcacggcgc gtgcccagc cagttccggg 780
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c 1201

```

```

<210> 568
<211> 3323
<212> DNA
<213> Homo sapiens

```

```

<400> 568
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catgctctac agtgatgctc cagtgagtga actgtccctc gagctgcttc tgcttcaggt 480
tgtcttgcca gcattactcg aacagggaca cacgaagcag tggctgaagg ggctggtgcg 540
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```

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 <211> 4792  
 <212> DNA  
 <213> Homo sapiens

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gaacacaaaag	ttgaaaagat	gtatgtccca	gctctcatat	ttggacagct	cctaacttct	480
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<210> 570  
 <211> 2261  
 <212> DNA  
 <213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<213> Homo sapiens

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 <212> DNA  
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<212> DNA
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<213> Homo sapiens

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<210> 594  
 <211> 1882  
 <212> DNA  
 <213> Homo sapiens

<400> 594						
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cgcgctccgg	ccggtctgcg	gcgttgccct	tggctttggc	tttggcgggc	gcggtggaga	180
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tcaccgcgag	gccggtcctc	tacttccaca	tccgctgggg	cttctccaag	caggtggtgg	720
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tggttgtagt tctggaaacc ttctgtgaac tccatgagct gaaaaaattc agaaaaatgt   1020
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caaactcact atttataatg cataggtaac cattaactat gtacatataa agtataaata   1740
tgtttatatt ctgtacatat ggttaggtc accagatcct agttagttc tgaaactaag   1800
actatagata ttttgtttct tttgatttct ctttatacta aagaatccag agttgtctaca   1860
ataaaataag gggaataata aa                                1882

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<210> 595
<211> 322
<212> DNA
<213> Homo sapiens

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```

<400> 595
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aaaatcatga caaaaaacta aatagatgtg ccatcaaagg tggccttctg acatctgagg   180
aagattctgg cttttctaca tcaccaaaag acaactcact gccaaaaaag aaaaggcaga   240
aaacggagaa aaaatcatct ggaatggaca aagagagtgc tttggacaaa tctgacctga   300
aaaaaaaaaa aaaaaacttt ag                                322

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```

<210> 596
<211> 860
<212> DNA
<213> Homo sapiens

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```

<400> 596
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aaaatgaacg acacacatgt tagagccctt ctgaaaaagt atcctgcttc tgatatgcag   180
ttttccttaa attatctaaa atctgctagg gaatatcaat agatatttac cttttatttt   240
aatgtttcct ttaatttttt actattttta ctaatctttc tgcagaaaca gaaagggttt   300
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tttttttttt ttttaaagac agagtctcgc tctgttgccc aggtctggagt gcaatgacac   420
agtcttggtc cactgcaact tctgcctctt gggttcaagt gattctcctg cctcagcctc   480
ctgagtagct ggattacagg catgtgccac ccaccaact aatttttgtg tttttaataa   540
agacagggtt tcacatggtt ggccaggctg gtctcaaact cctgacctca agtaatccac   600
ctgcctcggc ctcccaaagt gctgggatta cagggatgag ccaccgcgcc cagcctcatc   660
tctttgttct aaagatggaa aaaccacccc caaattttct ttttatacta ttaatgaatc   720
aatcaattca tatctattta ttaaatttct accgctttta ggccaaaaaa atgtaagatc   780
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<210> 597
<211> 2620

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<212> DNA  
<213> Homo sapiens

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ggactgggac agcaccttgt attctggcct agatgaagtg gccgaggagc agacgcagct 180  
cttccgttgc ccggagcagg atgtcccgtt tgacggcagc tccctggacg tggggatgga 240  
tgtcagcccc tctgagcccc catgggaact cctgccgac tcccagatc ttcaggtgaa 300  
gtctgagcca tcttccccct gctcttcctc ctccctcagc tccgagtcac cgcgtctctc 360  
cacagagcca tccagcagag ctcttggggg aggggaggtg ctccatgtga agacagagtc 420  
cttggcacc cactgtgtc tcctgggaga tgaccaaca tcctcatttg aaaccgtcca 480  
gatcaacgtt atccccacct ctgatgattc ctccagatgtc cagaccaaga tagaacctgt 540  
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cctcctgtgg gatgtcccag cccctcactc tggagctgtc cagatcagca tgggcccac 720  
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<210> 598  
<211> 455

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

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<400> 598
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caaattcata aaactgttca cacttttttg aaacaggagt taatgccgag aatccatcag    180
aagtatctac tgtttagaag gaaatggagc agcaccaaat gggctctaatt cgactggttg    240
ggactgttgg gactgatgtg gagtgatgct ttgcaccaca agttctataa agggcacggc    300
accaaaatca tccattttca atacatctgc actatggaat gacccatgta gtgaattttg    360
tcttggcccg ccctggcagg accagtattg tgatcagcac ggatgtcgct ncaggccctg    420
atgggtggagg gtgccatgac agggctctgga gaatg                                455
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<210> 599  
<211> 448  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

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<400> 599
aagaagtggc ccctctgcaa catgtcctca cagaaacgaa atgggtgtgta gcaatcaaca    60
ctagaaagta gaccttttgc aaattaatat gtccttgacc ttttttgccc ttttgtgggg    120
gtgaggtggg gataaaaaga ctgtcatatc aagaactgtg acttttcttt ccctcaaaca    180
atanaactcc tttattatct taatgtctcc atgttaacat gtttctgct aaattacaat    240
gtagaattga taatggttta tagtgaactg tgctcttccc tcattaaaat cccagggtgc    300
cctggtaaag atgcagatgt ttcttctga aaacttcttt ttttaciaaag aaaattagat    360
gtacatgtat aattcagtg gctttgtctt tctccagatt aatatcggtt acactgctga    420
tgtttgtana ttanacagat atttactt                                448
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<210> 600  
<211> 567  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

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<400> 600
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ttctgagccc tggagctgga gccagcagt tggaggtggt gcacctgcca ggcagcgcca    180
cagaaccagc cctgtcctct cgacttcctt ccttagcttc atgtgaaata aaagctattc    240
tggtctcctc tgtgtctgct gacagagtaa ccggtttaac tacagcctcc tctcactcca    300
cttccatgcc tggaggaagc ctgcaacccc ctccaggctc agacctgggg acacccccan    360
tctgtcatt tataggggaa gatggagcag ggggtgattc acacagatgg ggggccctct    420
gaattggcct gcttctcaga atgttggcca taggtnaaaa gcaaggggat cgggggttcag    480
gaccancaga atgttttagt aatctgnatg aatgagaccc caggatttat gtgtccatta    540
agtggttggt gtgnttttaa aaaaaaa                                567
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<210> 601  
<211> 283  
<212> DNA  
<213> Homo sapiens

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<400> 601
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tggttcatga tataccttct ggatcttatg tagtggaagt tgtatctcca gcttacagat    120
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ttgatccggt	cgagtggata	tcacttcgaa	aggaaaatga	gagcagatat	gtgaattaca	180
tcaaacatca	gagggtgtca	gactgcccta	tctctcaaa	tgaatcttca	ggtcacctct	240
tacttattaa	agggaaatcgt	gggctgacag	cttctatgac	cga		283

<210> 602  
 <211> 263  
 <212> DNA  
 <213> Homo sapiens

<400> 602						
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ctctgcggca	gagtccttag	tggaggggtt	tacctggaac	attagtagtt	accacagaat	120
acggaagagc	aggtgactgt	gctgtgcagc	tctctaaatg	ggagttctca	ggtagggaggc	180
aacaccttca	gaaagagctc	aaaataaatt	ggaaatgtga	atcgagctg	tgggtgtgac	240
caccgcctgt	gtagagtccc	agg				263

<210> 603  
 <211> 308  
 <212> DNA  
 <213> Homo sapiens

<400> 603						
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aataacctcc	tatacatgca	gaggagacat	tttcaggtga	ctggccaaca	gataatttct	120
gctgctgaaa	cattgacatt	gcatccatct	agtaaaattg	ctaaagaaaa	cctagatgta	180
ttttgtgaag	cttggaatc	ccaaattagt	gacatgtcaa	cactgctgag	agaaatcaat	240
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tatgcaac						308

<210> 604  
 <211> 182  
 <212> DNA  
 <213> Homo sapiens

<400> 604						
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catttccaac	ccagttgctg	tgggagaggg	ttgggaggca	gcagagcatg	ggtgacagtg	120
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ag						182

<210> 605  
 <211> 450  
 <212> DNA  
 <213> Homo sapiens

<400> 605						
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ctcattacct	catcaccaag	aaactgcacg	aaatctctcc	cccaccgccc	caacacccac	120
tcgggaaagg	aacgagcaaa	catcctctca	agaaagaaac	ctacacttga	atgatttaaa	180
ttaagggtga	tggaagttat	ttccctttct	ggcgcttgca	gatttcaaga	aaagctgaaa	240
aatgggagcg	ggggagggaa	gcaacagacg	gctggagggc	agcagcagaa	caagcgaggg	300
gcagcaccga	gttaaagtgg	gggccatcca	tttcgggcag	aggagacaaa	tgaaagccga	360
ccccgctggg	atcacgtagg	ttcgtggctg	cagcaaaagt	tgggtttcac	aaagttgaaa	420
aacagccggt	ttctcaaaaca	attgtgattt				450

<210> 606  
 <211> 269  
 <212> DNA  
 <213> Homo sapiens

<400> 606						
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gttttaattt	aaaaacacaa	aggcctaaag	aaatacgtat	cttataattt	ttttaatttt	120
tgagacgttc	atttaattgaa	ttgtgcacga	atgaattcta	tatatataaa	atatacatat	180
atagctctat	atttggggag	gggcactgtc	tcttttttct	ctcattttta	aaatgaagtg	240



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<400> 611
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ggctctgcca gcatccagct gtctacaccc agatctgcaa atacatgtcc tggatcaata      180
aagtcatacg ctccaactga tccagatgct acgctccagc tgatccagat gttatgctcc      240
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tctccccttg tctgactgtg tcaaacctct gccgccctcc acacctctaa acatctcccc      360
tctcacctca ttccccacc tatccccatt ctctgcctgt actgaagctg aaatgcagga      420
agtgggtggca aaggtttatt ccagagaagc caggaagccg gtcattaccc agcctctgag      480
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<210> 612
<211> 1522
<212> DNA
<213> Homo sapiens

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<400> 612
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cgggccatgg agctgtggcc gtgtctggcc gcggcgctgc tgttgctgct gctgctggtg      120
cagctgagcc gcgcgccga gttctacgcc aaggtcgccc tgtactgcgc gctgtgcttc      180
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aacatgagca tcatcggtcg gttcgtgcga agcttcaagt acttttacgg gctccgcttc      300
gaggtgcggg acccgcgagc gctgcaggag gcccgctcct gtgtcatcgt ctccaaccac      360
cagagcatcc tggacatgat gggcctcatg gaggtccttc cggagcgctg cgtgcagatc      420
gccaagcggg agctgctctt cctggggccc gtgggcctca tcatgtacct cgggggcgtc      480
ttcttcatca accggcagcg ctctagcact gccatgacag tgatggccga cctgggcgag      540
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<210> 613
<211> 550
<212> DNA
<213> Homo sapiens

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tcatgtatgt gggagccaag accaaggaga atgttgtaca gagcgtgacc tcagtggccg      180
agaagaccaa ggagcaggcc aacgccgtga gcaaggctgt ggtgagcagc gtcaaacactg      240
tgggcaccaa gaccgtggag gaggcggaga acatcgcggt cacctccggg gtggtgcgca      300

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ctgaagagcg ctccctctgcc ttggacacca tccccctccta gcacaaggag tgccccgcctt 480
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<210> 614
<211> 460
<212> DNA
<213> Homo sapiens
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<210> 615
<211> 1595
<212> DNA
<213> Homo sapiens
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ccgtaggaaa aataaaaactt cacatttaaa aaaaa 1595
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<210> 616  
 <211> 383  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 616  
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 gactgaatac aagccacact ccatcatatc ccttaaactt catgaaaaac cattcaagat 180  
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 ggcataagtc acaccatnca ttt 383

<210> 617  
 <211> 375  
 <212> DNA  
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<220>  
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 <223> n=a,t,g or c

<400> 617  
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 gcttggaact cagagtntat ttatccatac gaaaaattca gaactatttn atttatgata 300  
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 caatgaaaaa aaaaa 375

<210> 618  
 <211> 222  
 <212> DNA  
 <213> Homo sapiens

<400> 618  
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 tgacctatc attatttcac caagccaata ccagccgcca tccttctcca gaattcttgt 180  
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<210> 619  
 <211> 471  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <212> DNA  
 <213> Homo sapiens

<220>  
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<210> 621  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

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 aaaaaaaaaa aaaaaaaaaa 380

<210> 622  
 <211> 511  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 622  
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<210> 623  
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 <212> DNA  
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<400> 623  
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<210> 624
<211> 2255
<212> DNA
<213> Homo sapiens

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 <211> 1259  
 <212> DNA  
 <213> Homo sapiens

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<210> 626  
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 <212> DNA  
 <213> Homo sapiens  
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<221> misc feature  
<223> n=a,t,g or c

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<212> DNA  
<213> Homo sapiens

<220>  
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<223> n=a,t,g or c

<400> 627  
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ccccatcttc tagcagctgg ctgtcccttc tgggagctct gcctatcaga accctacctt 120  
aaggtggggtt tccttccgag aagagttctt gagcaagctc tcccaggagg gccacctga 180  
ctgctaatac acagccctcc ccaaggcccg tgtgtgcatg tgtctgtctt ttgtgagggg 240  
tagacagcct cagggcacca tttttaatcc cagaacacat ttcaaagagc acgtatctag 300  
acctgctgga ctctgcaggg gggtgagggg gaacaagcga gacctttggg gtaatgantt 360  
aacaccccat gctgggggat gcatggaagg tgaaaggggg ccagggaacc agttggaaga 420  
attttccaat cc 432

<210> 628  
<211> 430  
<212> DNA  
<213> Homo sapiens

<400> 628  
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taagcattat taagaataat tgtccttaag gaatgatgga taatataagg gaaatgaaaa 120  
taataaagaa aatgctacat ggaatctctt attcttgaaac catgttcaga cactattagc 180  
tgtgaccact gcaataggaa atgaaaaaga gggactttt tcaactgaaaa tcccactggt 240  
caaagaaaca aagaaacggc cacataaact aaatattcac aatactggaa atgaaccaca 300  
gactttttga gtaatactcc agtgaactca tgtccttaaa tgagaagggc agccacagac 360  
atctgccac tggaactctc tggtgccac atttagggat gcattcttcc ttacaagggc 420  
agccacctgt 430

<210> 629  
<211> 450  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 629  
cggagatcaa acaagattta ttcaatttgg tcaaagcaag aagttgggag agcaagatgt 60  
ctcaaatacca tcttaacaaa aagaggaagc agtgagtttt taggtagcta aggagtaaa 120  
gagaggcagt ttcagggaag tgagggggaa aagtctgctt ttctttattc tcaggtaaca 180  
tcttgagcaa ccagattcct gngtatcagc agctggtcgc aacgtccttc aaggcattca 240

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ttccttctgc aaattttttc atgaccctca agtgaccttc tcatgtcttc tttaggttgg      300
gacttggtga gcagttcagg tgatttgatt ctngtgcagt ccagtntgtc cagctgnggg      360
gttcagtcac ttgagactga acttngagct ggatggatcn ttcttccaaa ggacaactat      420
ggtgatgctt gggaggctaa aattcttcct      450

```

```

<210> 630
<211> 265
<212> DNA
<213> Homo sapiens

```

```

<400> 630
tctggaaaaa acacgcttta ttgggtagac aaataggcct gatgggaagg cctgagtcac      60
agtgcactgg ggagtgaaaa agtaggcaaa gtgcttgaag ctcccccttt gccccacact      120
taacctcctg gggagcagct ctggacactc agtaccacaga cctgggctca gcaaggcctg      180
gggtgactgt gccccctact cctgctgcct gatctgggca gcccaccctt cactggttaag      240
acagaattct caagggatag gcgca      265

```

```

<210> 631
<211> 491
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<223> n=a,t,g or c

```

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<400> 631
tgtggtgagg gctttgggct tgttccttga agctttttat tataaaaaaca agatgaaaca      60
tagatcacat tgcagtctcg attgtaatga acctcagctg aatgtgccga cagcggagta      120
tctgatctaa tgtggacttt gaagcatttt gaaatgaaaa aatcttgagg tgtttttgtt      180
tttaaaattc ctgtggttgt tcgctaaatg gcaaaatagg gggccaccag ccggacaagc      240
tccagaccac ctacagaaaag aaagtctcag gccattatga aggccgaaac gctaacagcc      300
atcttcttct ggggtgcacag ccctgcggcc atccccaccg tgagatggta gaaagggcgc      360
gtgcaaggat cagcaccacg tgtagaaact gacttgtacc ccgaaggtaa tgcaatgcga      420
ttcccaacag gctcattcca gatataaaaa atatgtcatc actttcatta ggtaatatatt      480
aanccaacan t      491

```

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<210> 632
<211> 388
<212> DNA
<213> Homo sapiens

```

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<400> 632
aaagacacat gcacacgtat gtttattgtg gcaccattca taatagtaaa acattttctt      60
tttgggtgta gagaccctcc cattccttag taaaaacgta tttacttgca tgttattatt      120
gtccttacaa acttggtttt ccctagagca attgattttg cttaggttac tagctgaagg      180
tctagaggca atacaattta ggatccttgt ctagaaatca atatgattca attcttttca      240
agccaaatga tatctgtaga ctccagttgt gtgcaagccc tgtgtggagc ctcaagtcac      300
ctgcgttagt ccagcttcct attcttggaa atcagctttg cttgattgga cctatatattg      360
catgttaatg tttgatggtg gcctggcc      388

```

```

<210> 633
<211> 516
<212> DNA
<213> Homo sapiens

```

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<400> 633
tttttttttt tttttcagca aatgtttgtt gaattttatt acttttttaa caaattactg      60
agtaatcttc cttagtaatc atttctgtaa ctacagataaa aatagaaatt tataagagtt      120
tttatttttg ttacttgtaa aagtatattt cctagagaaa atatcagcag tggtagagac      180
cagaaaaagt aagtgtgtgt gttctaaaca gtgattccaa ctcaatgtgt tcagagaaaa      240
cactttgacc ctgtctgtgt ttacagtccc tgctgactgt gtactgtcgt atcctcagcc      300
ttgttctatt tctttatttt agctttacag agattaggtc tcaagttatg agaatctcca      360

```

```

tggtctttcag gggctaaact tttctgccat tcttttgctc ttaccgggct cagaaggaca 420
tgtcaggtgg gaaacgtgtt tctctttcag agctgaagaa aggggtctgag ctgcggaatc 480
agtagagaaa gccttggtct cagtgactcc ttggct 516

```

```

<210> 634
<211> 314
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> n=a,t,g or c

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<400> 634
tttttttttt ttttttttga gtgtgttttt aatgcatttt ttttaaagat taaagtaaaa 60
tgtctcaatt gtaaaaaata cacaccgggc aaatccttac ctggataata aatatctaca 120
tcacagtaca ataaaatttc ttctctataa aatttaaata tggattatag tctatcacta 180
tcaaaagaaa cactatgcta atatttccat attattaaaa taacaggaaa aattacgggg 240
cttatttttag aacctgangc catagccgtt ggaaagggca aagagntttc aaatgtcgat 300
catcactctc catt 314

```

```

<210> 635
<211> 233
<212> DNA
<213> Homo sapiens

```

```

<400> 635
gaaagttcag ttcagtttat tacagtgtca agtagattta caactattgc acttatcatt 60
ctgggtgacag aaggccaaaa ctgaagattg agattttcct ctaataaaga taggttttca 120
gaatcttcaa tataagatgt taaaattata aaggcaaaga tatatacctc atgttccatt 180
ccatatecct cctgctgttg tacagtttgc tgcaaatgat aatttaattt ggg 233

```

```

<210> 636
<211> 361
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> n=a,t,g or c

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```

<400> 636
tttgcgctact gaacgttgct ttattcattg gttaattttc ctaacagcgt tgtaaaccaca 60
ggccgggatg tcctgagcgt tctggcagag gcccgcgag cctcggcccc ttccgggtccg 120
cgctanctgg cctttgccct gagtccttc agcttcgcaa gatgagcttc ccagacgggg 180
ccggggctgg gctctgaggg aaaggcggtc ccgcaggtct ggggccgcct tcccatgttc 240
tctaaagccc agcacctgtg gttcgttggc ggggctcgtg ggattggggg aagggtctgtg 300
gtttcgaggc cgtctgtggc gccccagcc cctaagtctg cgagacgccg gccccgcctt 360
t 361

```

```

<210> 637
<211> 407
<212> DNA
<213> Homo sapiens

```

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<400> 637
ttttcatttt tcttactttt aatatctaag ataaaaaaaa aaacccaacc accaaaacaa 60
cccatttgca tgtcggcgac acgctggtct cgggctccct ttctggggct gtcctccag 120
gcggctccca ggtcctcatc cagggaagag ccagcctcg gccagaagcc accgcggcct 180
ccagttccgc accgtgacaa cctgggacct agcctttcag aaaggccacc aggaactgtt 240
tttaaagcat agggctgcac taggaggaag ttttcccttg aggctgagag ttatttcttg 300
tgagagaaatt tcattttatt gcctagtccc ttcaggaaact tattgacacc gctgtgctct 360
ccactgggga gtgtttccag atactcttgg ggctcggacc tcaaaca 407

```

```

<210> 638

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<211> 371  
 <212> DNA  
 <213> Homo sapiens  
 <400> 638  
 ttccgcaaca cacacaaaga ccggcatcag atttattatt atctcttggt aaatattttc 60  
 gatcttttct cagaacatgg tctagaaggg catagtagtt tttttcccgg tacatgctg 120  
 ggtgggtagt gaggagaagg gagcagaggt gcgcgccagg agccaggctg gttctctgca 180  
 gagaacaacc tccagatcct cccagggaag cccgacacgc cagtcccacg ttggacgacg 240  
 tgcagaggaa ggggggaggtc cacggggacg acgaagatga ccttatacgt gcaactcggca 300  
 tatcctggag taacgcgcag tgggggaggt ggggagggga gggtcggccg ggcaagcccc 360  
 tgcccgtgc g 371

<210> 639  
 <211> 384  
 <212> DNA  
 <213> Homo sapiens  
 <400> 639  
 tttttttttt ttttcttaaa ttatatattat tatatgaaat acaaaatgtg gaaaatttgg 60  
 aaattacaga aaaaccaaag atgaaaatta cagtgacttt gttccaccat acaaagataa 120  
 ccaactcaaca ttttttagta tgccttccgt cttttttatc tgctctacgt atacaagcat 180  
 acacccatat tttaaaaaac aaaattgaaa tcacataaca tgcactattt ttacaacctt 240  
 ttaatattca aggagcattt ttctttcagt cagatgttct tttacatgac ttttaatgtc 300  
 tgcgcggtac tccaccatct ggatggagat acaataattt acttaagcaa tcccctattg 360  
 caaactttcg ttacagcaga aaag 384

<210> 640  
 <211> 342  
 <212> DNA  
 <213> Homo sapiens  
 <400> 640  
 ggaataatgt ttattttaaag ttacatttca gaggaacta tcttcaggag ggcattgaagc 60  
 ctatattggc tactgcaaaa caaccagaag ttttataaaa tatttctgat ttaaattact 120  
 aaggcactat agataggcac ctatattaca tacaatcttc aaacattttt aaaagttgaa 180  
 actatgtatt agttgatatc taaaatatta aagcccctga caaactgaac ggctaagaac 240  
 ttgacaaaat gagatgcctg tttcaatgat tctgttgcca gcatattaat taaaatacaa 300  
 tttgagattc taaattacac gatccagcct tagtccaggg ac 342

<210> 641  
 <211> 478  
 <212> DNA  
 <213> Homo sapiens  
 <400> 641  
 ttttgggggtc aggggtgcctt tattgggtgaa tggaatgtg tgggttgagg ctcaatggcc 60  
 atatgtcggc acgtccaggg tcccgaaggc agcagggtcc aaggcactgg ggcagccac 120  
 gccgggggag gccctgagc agcaggcacc attctcgccc tggcagggcc tgccacttgg 180  
 ggagagcgga ggctggccag gccttcagca aagctgttgc agctcaatca gctcctcttg 240  
 tgggacccgg aggttttctg ccggtagatc tcagcgggtga agggctcttc gtataggaga 300  
 gccattatgt aggtgagggc caccagcacc gtcaggagta ggcccggtgg cgtggcggtgc 360  
 atgatggccc agccaggtag ttggctgtgc tttcccagta catgggggtg tccaggatgt 420  
 tgaaggggaa cacggtcact ctgcctcctc tgaggatccc gaagtaatca cctaggaa 478

<210> 642  
 <211> 359  
 <212> DNA  
 <213> Homo sapiens  
 <400> 642  
 tttttttcac cgtgttctct gagctgcccc ctgccctctg ccctgtccgt ccccggcaga 60  
 gactgggagc cggccctcag catgaccacc gaaactttat ttacaacacg aggctggagt 120  
 aagaggggtg ggatggagga cagcagcagg gccgacagac cctacttctg ctcccgcctc 180



cagacgatga ccatgccgct gggttcactg gaggccagta ggctctcgtc gcagttgaag 240  
 ctgacatcaa gcacaggtgc actgtggccc tgcagcttgt tgacagcagc cttggccgcc 300  
 cgctccacat caaagaagtg cacgcacatg tctcactgc cgtcaccac gcaggcccc 359

<210> 643  
 <211> 343  
 <212> DNA  
 <213> Homo sapiens

<400> 643  
 tttatttgtg aaacgataca aattttatta atatacaacg ggaaatttga cagtttaggg 60  
 aatcaggtac tcaatctttt gattctcttc tgcacttatg gtatatgaga agccagatta 120  
 taatcacata gttatttgat aacacaaata tacaaagaac aaggagtgtt gattttataa 180  
 tgcagtgttc agggacatga agacttgact gtgtactcat tgggccatgt ttcttaaaat 240  
 gaagttcaag agtcctcaa accagaggta cataaagccc aggataaata tgacacatct 300  
 gcctagggta ccaaagattt ggggaataaa aagctaaata act 343

<210> 644  
 <211> 411  
 <212> DNA  
 <213> Homo sapiens

<400> 644  
 ttttttttga cattttcaca ggggtgtgtt tcatttgcct ttgcgactaa tgggtctctg 60  
 gaacgttcca tcttgccggt ggaggtcagg gcctgggagg ccagggccag ttctcgagaaa 120  
 gcagggtttt ctttgtggca tgcctatttc aagcaccatt ttccctcctg gttataactg 180  
 aaatggggct cgggtgttgg aggtttcaaa tgtggacatt ccgggcaagg agcctcatga 240  
 actctgtgga cattcaagg gcctcatgaa ctctgtggac attctgggca aggggcctca 300  
 tgaactctga aggttgagct tggaaggacg gacacaggtc ttggcagcct gagtgggtac 360  
 aaacgctgat ttttctggag tcagtcctct cctgctgatg ggctgagaga g 411

<210> 645  
 <211> 398  
 <212> DNA  
 <213> Homo sapiens

<400> 645  
 tttttaatac tgctggcatt tattttaaaa ggtattgaga tacaaaaatt gtatcttacc 60  
 ttgtaaaaaa tatttattta tcaatcttct tggcactatt aaaaatgtcc catttttact 120  
 agacagaatc acaaaggat acccactcaa tcataacaat ttgttttcta tggagcaata 180  
 ttcacagatc ctgtgaataa ataggtgaca aactccagg gtggccctgt aggggtctgtt 240  
 atatttagag ttttctggaa cacacataat tatgaggtt ggctctccta cagtcttttg 300  
 tttgccattt cccttgtctt tgaacaaaa cacagctctt tccaagcttg gagcgtggag 360  
 agggccctct tctccattg gtgaaggcaa caggttca 398

<210> 646  
 <211> 494  
 <212> DNA  
 <213> Homo sapiens

<400> 646  
 tgaacatga ttaattttta tgtttatcca ccagcagaaa aaatttaata tgtaaatcca 60  
 ccagcagaaa aaaaattacc aaaactaaca ttttacagat ttttagtatc aaagcacaat 120  
 acatttttca tagaaacaaa tatatcacca ttataggtac catgatattg caatatttat 180  
 atacaagggtc atttaccatt taaaaaaaaa tcagtggcaa tggtaatgta atacattagt 240  
 tcatctttgt tcaacttttt gctattatac ttcttgccct gcaggagtat ttgccaggat 300  
 acaaaagaaa atatgtgacc tcaattttta cagtacatag aaagctctgg ctgtccatgc 360  
 ttaaccctac atttactaca tgatcactag gaatgtttt ataccaccac tctgacttta 420  
 ttacatttat ttttaaggcc attccaagg aatcaaacat tttaacagat tcatttggat 480  
 attaaaggat tatt 494

<210> 647  
 <211> 310

<212> DNA  
<213> Homo sapiens

<400> 647  
cagttaagct attttttttta ataaattgaa aagatgttct gtacaacata atagagtcac 60  
aggaaatcaa aagcatatca gtaacaactt ttagaaaaag aaatgaatga taaagaaaaa 120  
cagatatgac ctctcaatat cttggggaag taagttagga tgatgtttca ttcacgtctt 180  
aatgatataa ataaaggata actctgtgta agaagtagtg tttgtatctg gtggtaaatt 240  
tagttaaaaa gcataatcac aagttacaaa aactgtaatt acaaattaca aagaagaaca 300  
ggcagacaat 310

<210> 648  
<211> 315  
<212> DNA  
<213> Homo sapiens

<400> 648  
tttttttttt aaggaatgaa ctttttaatg tttttctgtt tccattctaa caaacatgca 60  
tttttgccctt cagaaaatag agtcaatagc tgtgcagagt tgaagaaaaa cgctcctctgg 120  
tggtccctct gcatttatct tgtgtagctg tgtttttgtc tcgtagtagg cgatcacggg 180  
gatggacgct cggtagtagg cttctaggcg cttggcgatg gtcttggtgg tgcgtccac 240  
aggcaggctg ctccggctcc ttttgagaag gcggttggtc atggtgtctg ccgagcagtc 300  
catacagatc accaa 315

<210> 649  
<211> 415  
<212> DNA  
<213> Homo sapiens

<400> 649  
tttttttttt tttcaaaact atatatatga gatttatttc acattttcta cctactcagt 60  
catgtgagct gttgctacat ttgtgaactt tctgacacca agtgacaaat atccacaaaa 120  
gatcatttac aatgtagaca tcactaaagt ctagatttaa aagtccagtg aaaatggcac 180  
acagttggct tacagaaata aaaaagtaca atatatttga aatagtaggg tttttgtttt 240  
ccatttatgc ctacatcatg gtgttaccta tggatatgtt atcaacgata ttgatatcag 300  
atactatgac ccatgacatt tagtattttt agcaataaga agcacactta aatctatttc 360  
aaaaatatga catgttaaatt tcttaggaaa gtatcaactt tacaaagtat catab 415

<210> 650  
<211> 315  
<212> DNA  
<213> Homo sapiens

<400> 650  
tttttttttt ttttgcaaca gagcagaaag gatgctttat ttgcaaaaaga gtggtgaaca 60  
tctaaaaagt tgacattgta tatgattaca aagtaaagag tactcttgtg agagaagtta 120  
catgttcatt gttaaggaaa ttatatgtaa atcacaaaaga tcatggtctg tgaataatgt 180  
gccatatctc acaaaatatg gtcattggaa tcttattaaa attatctaca ggtgacttca 240  
gtttccattc tccaccctct gccttaagat acgaagcctt gacatgacca catcccagtc 300  
agcataagct ccttc 315

<210> 651  
<211> 495  
<212> DNA  
<213> Homo sapiens

<400> 651  
gcggccgcga cctcaaccga agctttcccg accagtttag caccggcgaa cccccgccc 60  
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ttctggaaat ctgcatggtg gtcagtggt agcaagctat ccttttgatg attctccaga 180  
acataaggcc actggaatct atagcaaaac ctcatgatg gaagtattta aatacttgct 240  
aaaagcttat gcttcaaacc accccataat gaaaactggt gagcctcatt gtccaggaga 300  
tgaagacgag actttcaaag atggaatcac aaacggcgca cattggtatg atgtggaagg 360  
tggtatgcaa gattacaatt atgtgtgggc caactgtttt gagatcacat tagaactgtc 420

ttgttgcaag taccacacctg cttcacagct tcgacaggaa tgggagaaca atcgtgagtc 480  
tttgatcaca ttgat 495

<210> 652  
<211> 441  
<212> DNA  
<213> Homo sapiens

<400> 652  
ttacaatagg aaattttaatg aaattcatac ttttaagcaa tcatttcagt aaaagaaatt 60  
gttatagatg atgtgtatgt atgacgatag attcagaact ggtagagtt gaatttcagc 120  
attacatttt aaaggatttt gccaaaccct aaagctcatt ttattttcaag tgaaaacatc 180  
atcatgaaaa aagtcacgtc acattgacta acaagggttg taacaaatgt aatgatcaac 240  
tttatcattt aacatttcac aagacttttt attgggtttct aaaaagcagt taatatttta 300  
aggtagcgta tataaacaaa atagccatat ctgatttttg gcaacatgaa aatgccatt 360  
tcctttcaaa ccaattcccg gactacagct acaaatgtgg tcaacaacgt catcctggag 420  
taaaattcag ctctgacac a 441

<210> 653  
<211> 378  
<212> DNA  
<213> Homo sapiens

<400> 653  
tttttttttt tttttttggt catactacat ttcactttat tattattaac atttatcata 60  
catgggttact attccaatct ttcatgcaga caaaaataaa caatataaaa tacataatgc 120  
actttgataa ttttaaccat acataaaaata tggagtaatg gaagctatgt tacatggata 180  
ttttacaaag gaaaaaaaaga tgactttttat aataacacat ccagatgaaa tttatcatta 240  
aattttggat ttcatatgat gttaagtatg gatataattca aaacaattac tatttataga 300  
accaatttga ttttttgtca tttaaaataa tgaatactat gtaaagtatg acttataaaa 360  
atatttttag gcaaaaag 378

<210> 654  
<211> 308  
<212> DNA  
<213> Homo sapiens

<400> 654  
ctaaatgctt taatttuyts tcacaaatat ttctgcatct ctgagtcctt tcttggttga 60  
aaaaggaggg ctagtsatac atttstyaat ggcactttta aaatgtrgct ttggtatata 120  
gaggtaacac tgtacttcty aggtatgtya ataataamty mmgggttataa tgggtgcat 180  
attagagaaa atgaataagc attagtctca gcaaaaacaa aaattagttt ggmagtagat 240  
aagctagaca tatcamamct gcaaaaammm agcttcccag atagcgcttc tactatgctg 300  
camwtycc 308

<210> 655  
<211> 325  
<212> DNA  
<213> Homo sapiens

<400> 655  
gaataatctg tgctttaatg gaaaaatgaa acattaattt gtttagtttc tcatacaaca 60  
tgtttactaa acatttcagt gtcaataatt ycttaagatt gtaacattta accttgatt 120  
ggrgctaata ccaattctag ccattgggrgt atgttttggm ctttytgaac aattttgrgt 180  
aaaatgaatg yactgtctt taaattgtac ttggrgcaaa gacaaagaaa catcagctca 240  
ttctttccaa ctaatagaac atttaatgat gcaattytha ttacattatt ccaaggctat 300  
tatcataatg ttaaatttc ttatt 325

<210> 656  
<211> 320  
<212> DNA  
<213> Homo sapiens

<400> 656  
attctcacct ctgatttatt tyttacttca tataagatac agtgtaattc atttttactc 60



<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 661  
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 taagacagga gggagagatg ccatccattc agcgggcaact tatgccacg accagctgag 180  
 ccagaccagc attcccattt caccaccct tactcctcaa gatgcaaataa aagctcaggg 240  
 ctgggcggaa gctggcaggg ctgtccacag ggaggacccc cgtgtgtctc tcgg 294

<210> 662  
 <211> 345  
 <212> DNA  
 <213> Homo sapiens

<400> 662  
 aagagggttaa ctcatgttt ttatttggtta atcagaagaa catacaagta cttatgcatt 60  
 actagatgct gggggaaaat tatacattga aggactgtca ggctcatctg tgcaataaag 120  
 atttacaata aacacatcat taattttcct gagaacagct cagtatactc tgttttacat 180  
 gaatccttat gatttaattc tgtatttgga gatatgatgc tatggcattt ggataacatt 240  
 ggtaagcag catcttagag aacagaacac tcttcctcag aatggatggc cattctttta 300  
 ccctgtgatg tacaatgca aattacaacc tgcattttat ctgcc 345

<210> 663  
 <211> 325  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 663  
 aagatatttt acttttttnc tttaatcagc acatttcttt tgataaatag tcatgagacg 60  
 tgttctgtga gtcactacaa ttctcacttg gcacttgga cagtcgtggt atatagggtt 120  
 accataactc tcagaacagg agtatattac aaacaagtgg agtagaacat agagaatata 180  
 taatttggtc taatattcct ctctcctaga gccttcaaac tttaaaccaag ttgaaaaaaa 240  
 aagtttccca aattgaaaac attgcctatg gattatctac agaagagagg aaaataagca 300  
 accattttga ttccacaaac caagc 325

<210> 664  
 <211> 215  
 <212> DNA  
 <213> Homo sapiens

<400> 664  
 gactattcat gttttcaaac aagtctctat gtacagtaaa tatacataaa gttctaataa 60  
 acaacagtgc aatgcttccc aaagtcttaa gcactagtat cagattctta caacacagaa 120  
 accttttagt ttgccaaatg attggattaa ggatacagaa tatgtcaaata actcacttgt 180  
 ggctttccag gtcaccctct cccgccaaac aaaca 215

<210> 665  
 <211> 424  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 665  
 tttttttttt cactttttgc cgaacgaaat ttttacctca cgttcatctc accaaagtct 60  
 cttcagagga gcctgggtta cagggtgatg aagctgatga tgatacagta gtgtacacac 120  
 tgctaacgtg aatcagactg gaaagcaagt cagtacttca gagtagcccc gcagaaaaag 180  
 agcgatacta agccttctta gtgtttcgtt tgtagtagt gatgaagaga aaactgcttg 240

```
gaagcttcca tgggtcacta gttagggaca gagcagcaca ggtgatcaga cagggctgag 300
caaacacctg actgaccaac agaaccagtc tcctcaggca gcttacattg cagtcaatac 360
agagggttat gggaatttat tgatttctgc ttggaaataa acaaggttaa ggcaaattag 420
ggag 424
```

```
<210> 666
<211> 409
<212> DNA
<213> Homo sapiens
```

```
<400> 666
tttttttttt catgaaatga catttattgt ttaaaaaagc gtgagtctgg aattagatag 60
tggtgatggg tgaacaagtt tgtgaattta ctaaaaccac tcaattgtac gcttaaaaaa 120
aaaagcaagc ttgagctgcc taagtcccgc tcacacacac tggacttgta ctaaagtctc 180
aacgattcca ttctctcaga ctatggaaca ttctgtcaca tttttttcct tcaggagatt 240
tccctaagaa gagctgtttg caaaatattg cacttaattt gaatccgggg gacctgatgt 300
ctcctggaag aaaacgtaca cttcacatgc cttcctgcct gcggcagaat gggcgggagt 360
gggtggggac aaggggcttc aacagcagtt tccatggaac attgttttc 409
```

```
<210> 667
<211> 470
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 667
tttttttttaa tnagaagaat tactgggaac tagcttggca ctggttgaca cagtctttgt 60
ctcagctact cgagaggctg aggcaggagg ttgcgtcgag cccagcctgg gcaacatagc 120
aagaccctat gtccgaagaa aaaaaaggca aaatcagaat taccagaact gatttcacat 180
gtgtaggtag cagatgggtg ccatgcaatt caggtctgtc tgaaggcccc caggctgggt 240
tacaaaactg tgtaaggcca gtacaaggcc ctgacagggt cccaagtggc tggactngaa 300
gagatgcaa gttcatggcc tcctaacctg actccacca ggcaactcct ggggcccagc 360
gacgttcctt cctgaagcct tgaaatttca cctccacctn aggagggcca tctggctggg 420
ggattagggg ttttggcaaa aattgaaaaa cattcatttt tccagaggca 470
```

```
<210> 668
<211> 350
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 668
aatgagggna agggaggcaa actggactag aggggctagg aggaggcaat gctgggaacc 60
aggtctcccc accacctgcg agtaatgtcg tgcaaatgaa aatgtgatac aagaactaat 120
ggggactaac tcctcagtaa aaaaagaaac acaggttgag agaagagtga tggaacaaaa 180
agaaatggaa agggatagca gtatgtaatg atacgctaataacatgctg ggacgntccc 240
aaagaccttg ggattcttag ggaccaagtg ggggccagtc tcagagcctc ccaatgggnt 300
acaaaggaag gatgttacct taagggaagc ctgggacagg tgcttgttgt 350
```

```
<210> 669
<211> 461
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 669
ttttttttttc tattttaagt gcaaatatca taagggaaga ctgaacttct tttaggagta 60
```

```

taggacaagc agcaaggagg tgggatggct ggagtagagt gaggaagagc aatacagaga 120
taaagtaaga ggaagaataa gccgggtcac atagatctca cagcaaagtt ttaggttttc 180
ttttgagtaa tatgaaaagc catcggagggt ttttgaagag aagagagaga catgatctga 240
cctacatttt caaaagctta ctctggctat tgtgtggaag tagaagcaaa aagtccttat 300
gggtggttgtt gcaaccatcc tggggacaga acgtggtggn ctttgaagga aggcagtggg 360
agtgatgggtg ctgatgacaa aagaagtcca gatttcagga tgttccnagg gagccttttn 420
taaattgaaa ggacanctga gggcttccca agttaaccga g 461

```

```

<210> 670
<211> 307
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 670
ttttttttac atgagatatt caacatttta ttataaaaca ggctttctgt tagatgattt 60
tnctcaactt taggtgttct gagcatgttt aaggtaggct aggctaagcc atgatgttta 120
gtaggttagg ggtattaagt gcattttcaa attaccatat ttncaaacta caatagtttc 180
aacgggaggt aaccccatcg taagtgggag ggaacatcta gtgcctgggc acagaagccg 240
gttctcaata aatataactc ttctccatct tcttcaaacc tcagggccag ggtttcagtg 300
acctcct 307

```

```

<210> 671
<211> 224
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 671
aaaaagctac ataatatgtt atttatttga tattctggag aagtccaaac acacaaagtg 60
attctgtatt tgcgagaaat ttaaggagat gatgaaaatg ggtaaaaaat agatttaaaa 120
gggtgatgaa agtattatgt ataatattat aatggtaa atgtgatatg antttgttga 180
aatcaacaga ntatacagca taaaggggta attccanttc acaa 224

```

```

<210> 672
<211> 424
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 672
acatnattat atttgagaag atctttctac gcagagactg tgattgctta aactgtacac 60
aaacacctgg aagaaaaata agagatgtag tcaatcactt gggaattttg cctgcaagaa 120
gccacacagc tatatgcctg gcatcatgta aatgtccaga tccaggagcc catgagagaa 180
attcgtaaag ttctagatgt gtaggtgtca tgtagataag gattggttca tatcttccca 240
ttttaacagt gcttccagtt tcctgtcacc attgagtgac gctcatttta cagtcagaac 300
tgtatgccat ggacacattt tatgtgtaac ccatgtgggc aatcgcttca agtcatttag 360
gcagggaggg gaaaactccc taagcctcta agntcagggt tttcccaccc ttttggacca 420
ggga 424

```

```

<210> 673
<211> 384
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 673
gttaccaaga cacaatttta agatcaaaca agtgtcaagg taggccatgg cttgttggca 60
gtagtagggg ccctatggct atttccaggt atgggtggcc ccttttcctt ggttatctgg 120
ggaatctgcc acagcagaca gcaaaaggta aaaagcatcc ctttaataac tacacccac 180
tccagcaatt gaggtttatt caggggtggg tcaaagtagt acaagacaaa aatagcttag 240
tgaaatggnt tagaatccag actgaggtgc cagactgcct gcatctgagg tctcaggtcc 300
caccatgtat ggaggccgtg tggaccttgg gggtgagggtt actaggcctc cccggggttt 360
caaatcttct tcacctgtaa aatg 384

```

```

<210> 674
<211> 332
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 674
ggaagtgaga gtgtggtgaa ttaagtgatg agtattatgt acaattgcct ttacaaaaaa 60
cgtattttta ctgtggaaga aattcatgca gagatgcctg tggaaaagta tcaaaaaaaa 120
aaaaaaaaa cctttaacac tatgacatac tgattataat atactatgat atgtattatt 180
acagcattac ttacacattc tactttaggg caatgtaatc tacttctgaa tgacctgtgt 240
aatttttaag ggcacaggt ggcacaaagg ggcaaagctc cnttaaaata antattaaaa 300
acaggaaagg cttngctaata ttgtgggcct ag 332

```

```

<210> 675
<211> 494
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 675
tttcaaaaat aatataggag aagagagtgg gtgaggttat agaggaaaca agattggcca 60
tgagttgata accagtggag ttgggtgagg tattttcatg aggtacatga aaattttattg 120
cactgctctg tctgtatttg tagagattat taaatttcca taacaaattt aaatgtagta 180
aaaacaagca agcaaattcc tggtttccca caatatgggt attgaaataa atttaaccct 240
aatcgaacca gtcacagtgg ctcacacgtg tagtaccagt tactcaggag gatcagctga 300
gccagaagg ttgagaccag cctgggcaac atagctagat cctgtcaata aatacatggc 360
cgggcgagc gcctccatgc ctatagtcct agcacttttg gagggccgan gcaggcagat 420
cactgaggtc agaagttcaa gaccagcctg accacatggc tcgtgccgaa ttcttggcct 480
cgagggcnaa attn 494

```

```

<210> 676
<211> 464
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 676
tctactcaaa ctataagctt ttattattgt attttacaga tcattcattc aggacatgct 60
gcatctgggg ttggcatcat ttcccttttg aatgacagaa tgtgcataaa agtctcttgc 120
ccacgtgaa ctcacacgtg cccggcagaa ggagctctca cgaaggccag ctggatgtga 180
gcttgctctg gcagcagcag tgctgtcctt gtttctgagc tgccacctat tcaactggagt 240
taaggtgggt caaagctgaa atttagcttg gaatttaaag tttctaattt tatacttttc 300
attgtggtct ggtcagattt taagtctgct ttaaaatcaa aaggtcactc agtcactcta 360

```



atatggatcc attttngaatt atggaaatgt gggtatttac atgctgtacc tcaaatcaaa 420  
 gaaaagcacg cctcaatatc acgcgtaggg aaaaactagg aaaa 464

<210> 677  
 <211> 223  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 677  
 tttttttttt tggcggtttt atctttttgt attaaaaag tagtaacaga cacaatatc 60  
 aaaaacacaa atgccatcgn agacgggtac agctgagaac gcctgggtcc cacctgaggg 120  
 gcagcaccag ggactccatg gtccaccaac ctccccact ccagagcagc taggggctgg 180  
 aacccccggg tcctgcttgg gcctcaggtc tcctcccatc tgg 223

<210> 678  
 <211> 372  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 678  
 cattaacttg acatctggta aaacaaaatt ttgcgtanat cttaatcaaa acaanaaca 60  
 gacatgacac tttctcagtt aaaatagttt aataaaaagca acaaaaactgt gctaacgatc 120  
 agaatcaaaa atgagatatt aggtagactt ataaaaacaaa gtatagttat tttttgattt 180  
 caaataaacc atgtgcaaaa ttgtaaaatg ccaatgtgtc tgagaaaagc attaacagtc 240  
 ctttttagcaa tttatatata aagatgtttt taaagtgcc cagcttaagg cattatatat 300  
 taaagtttaa taaacatcta atttcaacat ctctccaaga acagacttct tctcaataag 360  
 ctataaacta tt 372

<210> 679  
 <211> 489  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 679  
 aaaattgtca agatatttat tgtgttaaca tgtgagacat acaatttgct cagtaaaaat 60  
 agcacatgaa aaaatattat aagcttatat tcataaagaa atgggtatgt tattacctct 120  
 ttttcttgct tgctcaggac tattaatttg acaaggttgg aatgtgcaca gcaaagctgg 180  
 agacaccacc cattttaaca ctgaatcact ataccatgaa ctgacaggac cctgcatgaa 240  
 ggatggaaaa ctcataccn aaagtcaag gatccacacc aggcagccat gggagggggg 300  
 ggaaaatgga cctataatgg atggctaanc cggcatttta attttccgga agtggggggg 360  
 gaaaccaggg gccatggggg gngtggaata aatgggggtt gaagttccca gggcccntaa 420  
 cctggtacca ancccttaag ggtaaannta aggttttaac ctccatccaa ttaaaaaagg 480  
 tgggggtta 489

<210> 680  
 <211> 479  
 <212> DNA  
 <213> Homo sapiens

<400> 680  
 aaggaggaaa tcttgtcatt tatgaaaaca tgggtgaacc cggtgcacat tatgctgagt 60  
 gaaataagcc aggcacagaa agacaaacac tgcattgatc cacttacatg tggaacctat 120  
 aaaagctgcc cttatacaag taaagagtca aatgctggtt accatgggct gggaggagag 180  
 ggactgggca gatgtgtcaa agaatacaaa atttcagtta ggaggcataa gttcagggat 240



```

<400> 684
ccgagtgaac acagtctgtt tattacagcg tctagaggtg gggatgcaga atgaggcggg 60
gcccagagga aggggcgcct cagcccaggg nccnaccgtg acaatgcgcg caatccaaat 120
acagttcacc cggaagacac ggcagagctc ccacgttaca aaggctgaca cagaccagca 180
gcgtgttgtg ttgggagggg ggtctgacca cgatggcgag ggcagtcggc ggggggtggg 240
gggcctgctg accactgaac agactgaccg catcctgggg gcaagataaa ttaaggggga 300
agtcttaaat aagtcactgt gcgtgcctca tgggcccagag gaggggggtat cctaagtttt 360
tagggttcct atcaattcct ga 382

```

```

<210> 685
<211> 400
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 685
gagtgtaaat tcaatttttag cagattaggt tttattttta ctgcatcggg aaaaccacat 60
agataaaact atcttattgt ttatccttta caatttttta aagcaaaaca aacacaacag 120
cattttattt atttaattgt agtgcacccg tattttcaca tattggattt taaaaaatct 180
ctgcttacia gaagaaacga aagcccaaac aagaatgtag tatgtaagcg agtacaaaat 240
gagatagagt agaaggcaaa ctgattacct aagtcccaag aagtcaggaa acaaagtgtg 300
actcagatcc aagcaggggt aaccaggaag ggctggcatt tcggtgngta ccnggctngc 360
tttcttcagc aactgcgctg ntacaacatt cctgggggca 400

```

```

<210> 686
<211> 230
<212> DNA
<213> Homo sapiens

```

```

<400> 686
cagtaaaaac tctttattca ttccttcctg tgacagttag ccttgagtag ttacaaagac 60
agagcagttc ctgcctctca gaattctaag cagacattcc agagctcaca gatcagtgct 120
ccaccagctg ctaccctgga agcttcaggg agatggggag cctggagtag ggggggtgctg 180
caggaacccc cggcaggcag tggggccagg cttcacaggc acccagggct 230

```

```

<210> 687
<211> 434
<212> DNA
<213> Homo sapiens

```

```

<400> 687
tttttttttt ttttgccatt agaaatgctt ttattttata aagaactact taaatataaa 60
catctctaca tagaaacact cttcacaaaa ggactcttgc attactgcct tctgaccacg 120
accagcagac actgtggatg taaggactcc acggtgtctc ccgactcca ggattttaag 180
gctaaatgtg cacttgaggg aacaggggct gtaaggctat ttcttccctt tcttttaaaa 240
gacaaatttc atggtttccc attccaagat aggcttcata gctggggaag atcttaagat 300
tcttgggtcta aggggtaagc aaatatcttc ctgagactgg gaggtatgat caggcacttg 360
ggaatctggc tttgaatgtc atctctgaag catggaagtt agtggtgaaa aaaatcttat 420
ttccaagtct agga 434

```

```

<210> 688
<211> 453
<212> DNA
<213> Homo sapiens

```

```

<400> 688
gggtaacata agacatttat tactttatca taattttttc attcataaaa aggacaaagc 60
acagtcctat actactccat tgaaaaaatg ataaaaaata actaaaaaat caattcaata 120
tttatcagta tcaaataaaa ctactatcac ctttcttgaa atacaaagaa acaacagatg 180
tatctatacc tatataaagt ttaattcaga atcttgcgct ttaaagcaga tgattattag 240

```



```
actaaaagga gacaacataa gcataccaat attaataatg ccagtaacaa caatgatcct 240
ctgacgggtt tgagccattt gaagggatta aaatcagggt aattgttttag ttatgccttc 300
aaaaatgtgt gagccaggga actgtgggat aaatggggct tgtgaagcct ccaaagattt 360
gctctttaag gttgtggaaa tatcccaagg gttaaggtta tcatcccngg gggtttt 417
```

```
<210> 693
<211> 381
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 693
tactgaaata cacagattca cttcagctca gcgtttactg agcatctgcc atagggcact 60
gtngcttgga gctgggattt aaacagctcc agtccctggc ctgcacagaa agtgaaggcc 120
agtggggaca ggcatgtaag cccgtagcag cagcacacccc ggccacagcg gccaaagtga 180
gcaagtactc acagaattcc agggcgatgc caagaggctt tcagaggggc caacctgtga 240
gccagaactt tgaagggacc aacggatttc cccagatggg acaaggaaca gaatgggtgt 300
tattacccaa ggcaagatta aagtgttatt ggggaaggtn acagaggggc agccaacatt 360
tggggcacac cacaggggca a 381
```

```
<210> 694
<211> 449
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 694
tctanagaca aggtctcact atattgccca tgetggtctc aaattcctgg gctcaagcaa 60
gccttatgct gtggcctccc aaagtctctg gattacaggc atgagcactg cacctggctg 120
aaaatgtttt ttaatgcaaa aaagctttac atttttgcag aatctaactc atttttaaat 180
tttgttacta gtgcttttgg tgtcaaactc aacaatccat tgtcaaactc gaggaaatgc 240
agatctactt ctatgtttgc ttctaagaat tttgcaatct taccctttac attgaggncc 300
ttgatccatg agttaattat tataatgag ttaattattt tatatggggg tcccacttca 360
ttttttttta ccatggccat tatacaaag ttccaggnat ggatttggtg aaggggacnc 420
cttctttccc ccattgaatg gggcggggg 449
```

```
<210> 695
<211> 428
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 695
tttttttttt ttcaagttgc tttttccctt tttattaaaa atagactcaa gcactttant 60
gtatcataca aaagtttcat tcgctggtgg cagccacggg aaagactggc cccgtagcac 120
tgattttcca cctccccctc agggacttgg gtcccaggag cagtgaactg gcctcagaga 180
aagcccataa agactgctta ctctggaagc agccgactag gggctnttcc gcgagcagct 240
ntccccaccc caccaatgg caaaagttag atactcgaaa gtgcctcttc agtgccaaga 300
taaactaaca agtgggagtg aaatgggaaa accctttgat tattttacta ttttcccagg 360
ggcctggggg ntttttagtt tttccctgca attcaaagtc cttttttccc ttacaatagg 420
ggggtagg 428
```

```
<210> 696
<211> 341
<212> DNA
<213> Homo sapiens
```

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 696  
 tttttttttt acacttttggt gttattcttt tattcttggg tgtccccccac cagaccccag 60  
 ctgactgggc agggattggc cccaggnttg gcacangtgc caannccccc gagtgctcag 120  
 ccacctcttg ccaaaccatct gaatcaatgt cacagcaaca cttgggtttgc tcctgttgca 180  
 ttctcatgac aggtctcagc tcaggtagga cgttcttgag ggcaaggctg tcctccacaa 240  
 agccctctgg ggttgggggg tntccagagg caagccctca gctctnggga gacttgtctt 300  
 gccttccggg aggaaacttg gggggcaaaa gggacaaagg g 341

<210> 697  
 <211> 560  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 697  
 tttttttttt tgactttctc agatttattg tatgtcctca gacangtaga taaaaatgca 60  
 tgggggtttac ttccagggat ttacagacca atataagtaa acagctgggg tttcttttta 120  
 ggctgtttct cttggagggt gtgcaggagg ttgaggaaag cacctctgat gagcagatag 180  
 ctggaggctg ttcccacagt catgtctcag cgaagaagtc ggagttcagc agccatcaga 240  
 accaagggtat gtgtggtgat ctteggaaat ccaactccaaa tccttttgac tttcttttnc 300  
 acacagcagg agttntaaaa gantgcttcc ttttattatt aacactgaga atccatgcag 360  
 agagtttaca ctaaacacat gantacattg tgtttttagg aaggctgggt nccctcagtc 420  
 cccagatctt tgaattctac cattaagtgc aggtagggtt ttngagacag agntttgccc 480  
 gcatcatatc tgtgacactg actcttctgg gtntagggtt ttctttggcc aggggtttct 540  
 tgagttcagn ccctgatcat 560

<210> 698  
 <211> 356  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 698  
 tttttttttt aattaagtat ttcatgtttt tatttcaaaa gaaaaaagga taccaagaag 60  
 cagaagaatg aagcagttaa aaccagcaaa gctgcaaagt aggaaagaaa gctgaggggag 120  
 agattgatcc gatttcaacg atgtggccac ttaatgcaaa cacaggggtc tgatgctgca 180  
 aacctaagtt cacatgagtc cagtgacttc agcagggtcca ctggatccnc cacagtgaca 240  
 gggccagggc ccttctctgt gaatcctaac tttacacatt ctaggncaca tgtcatggca 300  
 catacagggt tacactttat gggttacatg gacattggca tgccatttgc acacag 356

<210> 699  
 <211> 377  
 <212> DNA  
 <213> Homo sapiens

<400> 699  
 tttttttttt ttcctagata caattccttt attatcatta tcatgcccc tagcacatga 60  
 agctgggctt ccacctagat cagctaagga caggggtagt tttacaatga gaacaatttc 120  
 tctatgcgca ttaggttaag acctcttctc tgtttctaga atactgtgat gactcacatc 180  
 catgggccag ctgcttccag ggaatccatc tggcctcaac aacattgggc tgctgggaa 240  
 taacggctctg ggcacttgca caggggcagg ggtatggggg agcaggcctc aggtttatta 300  
 aggcagggac tggggcactg ctggaaatag ggggaagggg gggcagccaa catgttagcc 360  
 aggttcttcc ccaaggg 377

```

<210> 700
<211> 426
<212> DNA
<213> Homo sapiens

<400> 700
ttttttttttt caccttattg cattttttaaa atctttattc tgtagtgaat tggattccc 60
aatctgccta agcaaaggca tgcccttcta acaagatttg cttagagcag aggtgataga 120
aggaagaatc cgaagaccct ctggcatggc aatctgggag cagcacattg ttgatggagt 180
ccaagtgagc acatttcaca caattcattt agtgacaagt gggcttgctc ctttttcac 240
caggaaaaaa actactcaca gaccactgcc cagaatctgg aataagaacc ctcatTTTaa 300
ggtattcttc ccaacaaata aatatctaaa tattgaaagg gggcatatca ggaaaactta 360
aaaggacaca ttttaaccaa accaaaaccc tttttcaaaa caagtaaggc atgtctgtat 420
ttagtt 426

```

```

<210> 701
<211> 367
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 701
tttnttccaa aaatcaccac ctttaataact ccccggtcct gcacacaccc acagtctcac 60
tggtctccac cctcacttac tgcccgccgt ggatggcctt ggaggtgcc tgcccgcgcc 120
aggatgtttg gcacaaagag cagccccgaa gccnctnaa tgntctcgat gggcaccagg 180
taagcgnccc agtgggatgg cctnatccac aggtgcgttg ggcacacgt aggtgcggan 240
tncaatttgc ccantgntn cctccaggtt cagcaccttg aagaagttag tgggcaactgc 300
cangtggttt ttgccgatga cctgggtant ttacgtagga tttcccatca gntctgtcc 360
atgggac 367

```

```

<210> 702
<211> 424
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 702
ttttttttttt ttgttttaac ttcgttttgt tttattttac attgttttag gagcttacac 60
aatcagttct cccttgaatt taaggataaa acttgcttg tttataggaa aattgggtctc 120
attggataag atcaaaacaa atcctatata tttttgtcct agctgtcagg atgttcagac 180
ctaacttagg cattcaacta tattaatact tcccagatgt cagccacatt catttgccctg 240
ttattttttta aaatttatatt aaaattatgg cggtaaataa aaatgtactc acattctcat 300
catgggacga tgggttacgg gtttaggctt gtaggctagg tggaaaggcc aaatttggtg 360
ggaaaaggta ttggccnttt atggggnggc ctggtttcta actaggcctt tggccaattt 420
tttt 424

```

```

<210> 703
<211> 339
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 703
ttttttttttg tatacggtaa ctactttatt attttcaaat gcaaactctt tgcatttagt 60
ttgctattttt acaatttttac aaactaggtg taaaagacca taaataaatg acataagtta 120
tgtgtaccta aagttcatga agggaagaaa aataccttga caaattaaaa caaatagga 180

```





```
tggacaaaaa cctaggcttt gactccacac accacactct actggatcag gagaatactc 180
tgatgaggtc tcatttccac ttgagtttga agagcctgtc gtttgggatt tctaggaata 240
tttagtctaa tgattattcc tttctgtagc ataggatgat gccctcacia aacagccagt 300
gtgggttaat tactacacag ctgtcagctg ccatacatcc taataccnat tatttaatag 360
gcagttaaca cttgggngct tggntgcttt acaatggc 398
```

```
<210> 708
<211> 357
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 708
tttttttttt gctgacttta attacaaact ttatttgtca atacaattca cagtttatac 60
atggcgcatt ccaccatata aatttttcgga acagttattt gaggaatgg gtgtagcttt 120
ctttctaaaa gagcctgact ttctaaaatt ttggttggat tttttttaac tttataaaag 180
tacttttaac aaattaattg aatatttaca tttctagctt aaattttaat tttggaaaat 240
aagcgtctat tagtttattt ggcttctttt aaaggattcn ggggtttatt ttttccagga 300
cccaatccg gatggccncc ttattccgga taccngctcc ccacccccca ccaccac 357
```

```
<210> 709
<211> 347
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 709
accaaacaaa anctttatta atgcattgac aatcagtga gacaatgaaa acccaccact 60
tttgtccgtg aactgagaaa gaaaatggca atgtcatatg gcattaatga tgcattgagat 120
ctatgggtgt agtgtcacgt ctaggcgtgt agtaatccag tcttcggcct tactccaggg 180
agaaagattc agctttgtta ctttccagtc actctctccc gtaacacagc accttgggca 240
cagaaagcag agcgnccaaa acccaggant gagggacagt taaaattcaa cttcaaggct 300
acagccatcc caacgggtcc tnccagctc ccgcgggatt ttttacc 347
```

```
<210> 710
<211> 367
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 710
tnnaatanat ttttactgaa aacttttatt gtaatcaaaa agtgacataa cagggttgta 60
atgaattcag caaatcattc tgctgatatt ttagaactta tatcagcttt tgccaggcaa 120
ttaaaaaatt caaatgtgaa aatttcacat tacagtaaac tccaccccaa ctaattaatg 180
gtggttaaaa ataataggcc ctagcaaaac ctctcatgtt acatggtcac aactcacaat 240
tctgtacaaa agttcgtgtt ataangctct gatgtaaaan tcaaataatc aaggcaggca 300
atatttttagg tgcagcacag ggtcttccat gtcattattt acaagggtt gaatctcttt 360
acattat 367
```

```
<210> 711
<211> 390
<212> DNA
<213> Homo sapiens
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```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```

<400> 711
nagaatgata ttagagtttt attttgaata aaagantatg ttttagaaat acatagttaa 60
atatggatag atgatgtgac atttgggatt tgcttcaaaa ttacctagnt caggggtgcgg 120
cggataggtt ggggggtaca gatcgggagt tagcaaatTT tttctataaa gcgctacaca 180
aagtaattat ttttagtttt gcaagccata gagtctgctg caattactca actctgccaa 240
tgaagtacaa aaacagccaa aaacaataag tcaacaaata tgtgtgggct gtgttccaat 300
aaaaccttat ttacaaaaac agtcagaggg gccgggnttt tgteccnagg gcccatccta 360
ggtgtgcccc actaggtttg taccgggtgg 390

```

```

<210> 712
<211> 424
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 712
ggaaacatga tcaagattgt ntattagaaa aacataaaga tgaactttct tggcacagaa 60
atgagataaa atatacagt ctacaactgc agaattagca cggacgccaa tctaaaaaca 120
gcaaataattt aacagtagct ttaatgaatt aatgcacaat attttgaaaa atctttgacc 180
ttgctcataa gcagatgcct gccttgaaga aacactccaa gtctgccgtg attccgagcg 240
aaatgccaaag gcagagtcaa gacaatcatt acctttagggt ctgaaacctg ggcagtaggc 300
tgcccccttct gggatgcctc ctaaccagtc tgatgtactg ggggaaggagg agtgaggtgg 360
ggtcttcctc ggggtccaga agctgaaaac ccagcccttc ctttgccatc agttctgtgc 420
caag 424

```

```

<210> 713
<211> 330
<212> DNA
<213> Homo sapiens

```

```

<400> 713
aagaatgagt atttttgatt tattcaaagt ttcaatctaa aacctcaatg aaatctacca 60
cctttattac aaggggactg atggttcttg aacagaaaaga aacaaagggtc agggaaagatg 120
gcaccggaca ttggagaggg aactggccga gtgtgcagga ggtttgggtc aatagatcac 180
tgacaggcta aaagccacat tttgttgaga aattacatca gaactgttta aagagtataa 240
acctccataa gaaaactaaa gatggcaaat gagattcaac tctgttactt caagtctata 300
atgtcttcat cggagaaagc cgtgagctgg 330

```

```

<210> 714
<211> 399
<212> DNA
<213> Homo sapiens

```

```

<400> 714
tttacttttc ataaatttat ttatgaaatt aaatgtgggt tctgggttgg agaaggaata 60
gtgcaagagt gactgtccat gctgctgaat cctgtgggct ccacgccagc tcgccaggcc 120
ctggctctgc tcctggcgcc ccttggcagg acagggcgcc atctccacac acccgctgcc 180
tgggctgtgg gtcagtcctg tgtgctgagc cacagaattc ggtctctctc ttatggcttc 240
tcacgctcac gagcgtaagg caatcttctg tgtcactaag aatcaattct ttttctccat 300
tgtttgttgt tagaaaaaca agatgccaaa atccaaacaa aaaccaggaa cgaggtgggt 360
tctggagcta ccgcacagca ggaggcagac tgaccacac 399

```

```

<210> 715
<211> 259
<212> DNA
<213> Homo sapiens

```

```

<400> 715
tttattgagt acttactatg tgtcagtcac agttccaagg gtttcatgag ttttaactca 60
tttaatgagt taatccggac aactcagtag accaatgaga caggtactct tatcatctct 120

```

atattacaga	tgaggctact	gaggcataca	gcacctatgt	aagttacca	aagtcctact	180
gctgctatga	ggcagctcca	ggattcaaac	ccagcagcct	ggctcacatc	tggcaccttt	240
taactgccag	cctactaca					259

<210> 716  
 <211> 415  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400>	716						
tagagacagg	gtctcgctct	gtctccaaag	ctggagtgc	gctccatcat	ggttcactgc	60	
agcctccgnc	tcccgggttt	gagcgatcct	cccatttcag	tgtaccacc	attcttatct	120	
ctatcaccat	agattagctc	tgcattgtct	tgaacttc	ataaatggaa	tcatgcatag	180	
ataggctctt	ttgtgtctgg	attctctctg	ttaacactgt	gtctgtgaga	ctcactcatg	240	
ctgtgtgtag	tattatgctt	catccttttt	tgttgttgca	tagtattcca	ctgtataaat	300	
ataccacaat	ttatttgtct	gttttcccaa	ttgctgtgca	tttggggatt	gttttggttt	360	
ttcacctatt	ttggaataag	gctgcctagg	gaccaccctt	ggtatagggc	ctggg	415	

<210> 717  
 <211> 477  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400>	717						
tattaccntg	agattcttca	actacctgca	accnttcttt	aaacctaacg	caatctgata	60	
taaaagagcc	tgggatgaga	cttcgaaggc	agaagtctac	tgtctcatta	aaacaaggct	120	
ttggctattc	catgaaatca	aatcttattt	cagtgcattg	gtgttccaat	aaaactactg	180	
tattgcagga	ggcaagtcta	tctggcctat	gggtgtagct	tgtctgactcc	tgtgaagcc	240	
tccctcataa	aattaaaaac	accctcaaga	ttaaaattac	ggtagggggc	cgaattttga	300	
taaaatattt	tccttctctt	tttccacctc	catgtatgac	tgtttgcaaa	ggcatttcaa	360	
caaatggcag	tcactaataa	ttgtcttccn	gtgggcagcc	cctggggagg	ctgccatnaa	420	
ggttaacaaa	cctggtttct	tttaaagggc	cantaatccc	ggctggggng	ctgcggc	477	

<210> 718  
 <211> 514  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400>	718						
ttttcaggaa	agttttttatt	ttaaattattg	gtgattcttt	aaccaggaat	gcaaatgcta	60	
ctgaagtgtc	gtgtgtgtct	ctgtgagagc	cttcatataa	ataaattcat	gcatctaaag	120	
agtccttggn	caggccgcat	gctgatattc	aatttgggga	atggtgatgc	catcacatgc	180	
atctggggga	ggcaacaggg	angcctaggg	netttttntg	gccccctntn	tnacaaattc	240	
cggggggatt	tnnantnttt	agccccgggg	atctctgggc	tttttgga	gggttcctgc	300	
ttttcctgag	ttcccatggc	tgcctgtctg	ccggggctga	ctaagcaggc	ggggctggct	360	
ttctcagtgc	atattttaca	tttttctcct	tcaaagagaa	gccaggggag	acaagctgga	420	
gctacagaag	gtgctctgtg	ggggacttgg	ggccnggtca	gcaaccaagc	ccccacctgc	480	
cccttttggg	ttnaagggct	tngtcctctc	ccca			514	

<210> 719  
 <211> 298  
 <212> DNA  
 <213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 719  
cttcaacaca gcagaaatth atttcccacc caggtaaggg gaccctgagg taggcagtga 60  
cttctgtcgg cagcgaacta ggcctctca ccaggctgcc ctaccgtgct cagtgtgcc 120  
tcatggtgca aagtgggtgc tgagctccag tcatcacttt agcngcnga anggggaagg 180  
gnangggnaa aanntttccc cccnctngg gggatttctt tncnncccc cagtnaggat 240  
tttnggttta ttataaggna agaagagaca gttagcngag gcttccctgt ccaccagg 298

<210> 720  
<211> 498  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 720  
tgggttggga ttttcaatct ttattatttg aaattattgt ttcaaatttt attacatacc 60  
atggccctag tattttgttt aaaatatctt tatttttctg taaagaacaa gtgtgccata 120  
tttagctttt gatagaaaaa attaagaaac tatcataaag ggaatagcta aaagaaagg 180  
tagtaaagg agccatcaca aggagagatt ttggaaaagg gtggtgtctt agtccatttt 240  
gtgtttctgt aacagaatat ctgagactgg gttatttata ataaacagaa atttatttgg 300  
cttagttgta gaggctaggg aaattcaaga ccnaggggcc agcatctgat gagggccttc 360  
ttgctgtgtc caccacaggg caaagggtga ggcagaaggg gaaaaagagt ntgtgagggg 420  
aaagagggga gcccaaactt gcttttataa cccaacacac tcctgaggat aatggggntt 480  
aatcttttca tgaggggc 498

<210> 721  
<211> 537  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 721  
acattttatt tataacagga aaaatatatc cctctatatt ttagtttaaa aaaatactgc 60  
ttggaagcag cccatatcct gtgcgttttg tgaattttca ggtgagactc cctcaaccgc 120  
ctttcccccc tactgccac accactgcta gtccatgggg agggggctgg ggttcagggtg 180  
ggacctcttg gttgggagcc tccattgcta ctttgcattt aaaggaccga gagtctcctc 240  
aagacaagac cactgttatg tgatggatgg ggggtgtctg ttgctggatc cagttccaaa 300  
aggtgcccag ggaacctggg gaaggtgact accctatcat ctacagggga ctccccacac 360  
tgggaacccc agcctcctgg ggtcctgggt ccaggggctc ttttccctg ggctgggtcc 420  
atgggttgcg acaccacagg caccgggca ttccacgntg gtncttcgag gggagggctt 480  
nagagggcta agctncacct tctntttccc tggggtngcc agattcantc cttnct 537

<210> 722  
<211> 402  
<212> DNA  
<213> Homo sapiens

<400> 722  
agtttttaaa taatgtcaca ctgaacaaca catttaacag ctgaataatt tgtaatgaag 60  
actaagcaat agttaaaata taacattatt aacagttgtg gaaaatacag aaatttatca 120  
tatcattaaa ccagttttta ttaaaaaaca aaatgtgatg ttaggtcagt tcagggataa 180  
attaagccat acattatatt gacttccact tacatgagat tcctagcaat catatttgc 240  
gcaatgatta cccactgact tgcattcatt ataacaagg acaaataaac caaatggcca 300  
aacagcaacc aaaatatact gttttaagag ttaaacacat tcttaaaatt aaaatgctaa 360

aaaggtacct aaggggctta attgggggct ctcatatttc aa

402

<210> 723  
<211> 552  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 723  
ttacaattga aacaggtctt tatttacacg gaagcagaga gacagagggga tgagggcagg 60  
caccacaaaa gtgacttcac attcaccaat gtttcagtgg cttctaagac cacagcagan 120  
gnatnccntg ggactcacag ggtatgaaaa tgtgttaccc tccaaagcct caaaacaaaa 180  
gggttggtatt aaaaacaaat accaagtgtt tctggcatca gttgaaaaag atctgagaaa 240  
gaggaactat tgaatgtcca gaaaaatcaa agttctggga ggctaggaaa tctgacattt 300  
ctctgataga gagatcactg ggtcatcagt tcattttggg gaaattcttt acagttaagg 360  
tgatgtgttt cctttcattg gtaaatttaa cagggagagg catcattatg gggatacatg 420  
cagggctcgt gccgaattct tgggcctcga gggccnaaat ttccctatag gtgagtcgta 480  
tttaaattcg gtaatcctgt ccataggctg ttttccngtg gtggaattgg ttatnccgct 540  
tcacaatttc ct 552

<210> 724  
<211> 388  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 724  
atcaaagatg gctcagagaa tggtaaggca acagtgagaa acatcagctg tacttgtcga 60  
gaaggtgtct gattacacag cgttaccatc ccagctggcc ctttgctata acagaggagt 120  
gggtgagtga tatgttccaa cagctggtct aaagaccaga ggcacagttt caggtaaagt 180  
gcaggaacag ggtagaggct acaggtggaa agatctagaa gctctgtgtc caacaaggctc 240  
ctcacgttct ttatcagcat ggactgactc aatctaaatt tgggtgtcccc cctccacagg 300  
ttctagtaga aacctacggc atgaaggaat agaatgcaga cagantatag ttaaatccca 360  
aaaaaggggc cttttctttc aaaccctg 388

<210> 725  
<211> 495  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 725  
gtggagatgg agtatgtatt tattttacaa aaataaatca ccatcttcgg accatttgta 60  
gactggaaca ttctcagcaa tgagtgcgcc acacggacga gtgccctggg gactccctga 120  
tggttcgcgtc acccccaggg ccaccttggc gccgcgatga gcctcgnttc ccactcccgg 180  
cctccaactc ccttccctcg cagccgccat tcaccttctg ctgtttatct gtctgcagan 240  
gcctgggaca ccggaaaagg cgattccctg agcgcctggg agttggagac aattccctgg 300  
tcagaattta aacatctttc taggtaagcg ntgctccaaa actcttcgcc gcgtgggact 360  
tttgcaccag gggcggttggt ggaggantt ggcctccacg gttcctgggc aaccgcggcc 420  
tttttgaaag aggttctggt caatatttaa cttcggagga atttgaatt ggattccctt 480  
aagttcttnc cctgc 495

<210> 726  
<211> 501  
<212> DNA



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<400> 730
ttttttttg cttatcaatat atttattatt agcatgacat attatgaaaa attattttcc 60
aaagacttag ccagtaacac tacaaaaata gaaagcccggt taattcctgt gaatttatct 120
gtgtgtgtcc atgtccagta attatttcac tgtctgtctg aagtactaac aatactaaat 180
ccaatgctcg gcgccacgct gcaatctttg gtgtaacaac gtcataaact ctcggaatct 240
gctccagttt atttgaaatg tctgaattaa aaattctact atttagttta ctatattcat 300
tcaagatgta agatgaagga gagccagagt ctgtggcatt ttgcagatga tgttgaatgt 360
atgtgctggc ttcaaattct ggatgagtaa ttggcagtggt tatataggag agttggaaag 420
gtatttcngc catc 434

```

```

<210> 731
<211> 423
<212> DNA
<213> Homo sapiens

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```

<400> 731
ttagctggac aaagtacttt taatgcttat tttaaaaata tgtacctgtg gtgctaatac 60
taggcaaaga aaacaggacg attcaagagc agcctatgta actaccaact caagcactaa 120
cactagctag atcaccttca tgcttttaaaa tttaaagtta tggagtagct gtgcccaccc 180
cccccccaa aaaaagcttt aataaaggca ctgcagcgtt aactaagttt tagggtaaatt 240
ttaggcaatt aacaattcga agagacttgt ggtttatgta ttagtaattc aaattactgt 300
tttagagatc tcaggtagtt aaccaattct tgctcaaagc actaatgttc agtccctcac 360
catttatgct gggtagtagt cccaatgcat gggtagtgca acctattgtc aggccctaac 420
atg 423

```

```

<210> 732
<211> 676
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

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```

<400> 732
tttttcagtt ggacacaaat gtatttattt taccctagca atagaacaaa atataatttc 60
tttagccatt tttcatgaga atagttcatt gtacagttga ggaaacatat gaaataaggc 120
ctgtgggtga ttgctagtgg ttaagcatgt tttcaatctt tgcccttaatg taaaagattt 180
gcagtgaact gcaaactgat gcagaatatc tctcctgctt ttccaagtct tgtcaggaat 240
agtaaggtag agtaaatttg tcccacagga ttttaaaggc tacgtcttgt atataatata 300
atgcaggcct acaaaaatgg tgcagccata tttaaaaatt tagttcacag actgctgcag 360
taaaatggct ggaaagtttt gttttgcttg tttaacaatt tctctaaaca gcagcagaat 420
cttaaaatac ctggctggca tctcttttct ttgtaacaaa taattcactt tagtatactc 480
tgtgtatata caaagttttt gtatgtttta taaaatttca cagaactgca aggttcagtc 540
acttttttac accagagaac cacaggtcaa gagcactctt caagcagagt tgagggactg 600
cgnagccaat ggtgccttat tattaaaccc gcatgggcct ggatcctagc tgagataagn 660
tgtaccacgc atgcct 676

```

```

<210> 733
<211> 446
<212> DNA
<213> Homo sapiens

```

```

<400> 733
aaaagggaga gtgaggcttt ttattgtgta tgaattcacg tggtagcgac aactccacac 60
aatattaaaa cactgcgaga aagtgggtgc ggcacacctg gaatttttaa aaagtcagaa 120
ataaaaacaa ccagacatcc caatgcagat ggcatagaac ctgctagaac cacaggcggc 180
ggctggaaac aggagacagg tctttacgaa ggtagatgg gcagcggttc cgtggacaga 240
ggaggaggcg cggctggccg gcatatggct tctgtgcaga gggcctggcc tcaggcggtg 300

```

```

ggacttttta ataagtgacc ccttgaggaa gggcgtggtg ggctccacct cccacccgga 360
agcccccccg ggtccactca cgggcggaca ggtgtgtgac ggccctctcc tacctgcccc 420
agaacttggg caggacgggc tgtaa 446

```

```

<210> 734
<211> 604
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 734
caaaaacaga tagttaatac tcctacttat cataaaactg tgtagaatt cagcagctgg 60
attacataat actattataa taagccttta ttattgagta actttacata cataatat 120
atatgcacaa gtatttgaga gcttataggt caagccctgt gctaagtact ttgtacccat 180
gatctgatag aacccttata acaccttgat gagatgcagc cattttctac aactacaca 240
tgatgaaacc agcacaggaa atcagataac ttgcctgctc ttggccacca cgcggtgcct 300
gctgctttgt gttttatggg aaattgcaca tggcaaacat tcaaccatag gcttcctgcc 360
tttattatta aagggcaa atgggtaagg aggatagcat ggggcttgat ttgttcaatg 420
acctaaaaat aaactgatct tattcatacc ctgccttggt ctaggaaagg attcnagtgg 480
cttctcagca gagggcaggg caaggaacag gtgctcagga attggagcat ctggcacgca 540
ggccccactg cactctgang gggcttcact ctctcagac acgagncatg gaaccagagc 600
ttat 604

```

```

<210> 735
<211> 404
<212> DNA
<213> Homo sapiens

```

```

<400> 735
gtttggcacc taagaaacat gatggttggt gataatgcca caagtacaca gggagaccca 60
gtaacaagac atgcaggggt agggcaagcg gctgagctgc ccaagcattt caaaaccagg 120
actttggctt cccatgcagt tggagggtag aagggatgtg cggaactgat gacttcaccg 180
gctcctcagc agcatgtaca ttcaaattga agatgcttga gagccccact ataccaaatc 240
gtgagtctgg tctctctccc agcagagctt ggtgcagtga cagttagaaa agctgagttc 300
caattgagtc tgttgaccca agagtccttt tgaagacgct catcaaagta attattttct 360
ttttgagcag atgtacagca catccatggg aaggccatgt aaaa 404

```

```

<210> 736
<211> 326
<212> DNA
<213> Homo sapiens

```

```

<400> 736
atattttctcg tggtttataa gtttctgaat ttccaaattt gccactggta ttttaaccta 60
cctacaatgt tgactctacg taaaattgat ttttacatgt caggaataag atgaggatca 120
acgaacaaat gcacagtctg tcttttctat agttcaatag tccatctttg aatagcacat 180
aatggaatgt cagaagtggg tttttaataa tgtatgttta cacttcattg atttataaca 240
atcatggcta tggttcttgg gtagaggaga atgttttata ctggaatgac atacatatgt 300
aggtaaaata tgatagatct atatat 326

```

```

<210> 737
<211> 258
<212> DNA
<213> Homo sapiens

```

```

<400> 737
aatagggcac aaggtatttt acaggtcctc atcattctgc ttggtattct gttggtgtaa 60
cttttgtgtg tgataaattc ttctccagag acttatcctc taagctctcc aatgtgtctt 120
tttagctgga gctaattgtg aggaaggcca tttttaaaagc aaatcaaaac attaaaagg 180
ttaacatctg ttaatcgggt gttttatcta gaggacataa aagatattca caatcctcta 240

```



gcttaccgac ttaacgct 258

<210> 738  
<211> 286  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 738  
aaaatcagag actatattata ttaaataact cttcccttaa aaatggcctg accacagcaa 60  
tgaatctgta aacacagagt aatatttttc ctacagtaaa gagtcacttt aatctcaaaa 120  
gatacttttc actgttctaa atgacaggnt ttttaagcatt ttttcctata tataatacag 180  
catcacttaa aatttttattt aaagacagtt gattcaggcc tgccttggac tggaaagaag 240  
tctttaactt agtgggatta gtgcttcagc ttggtcccaa atattt 286

<210> 739  
<211> 261  
<212> DNA  
<213> Homo sapiens

<400> 739  
aagatcctta aaaagtatct ttaattgatg ccaaatatga acagatcgta aagtgcagaga 60  
agcaagtaaa attgcataga tgaaaactat gcgcatcaat taggttctca attcataaca 120  
ttcaatgtcc ttgacctgac atattacaca gttagagaag ggagaatgag cagtaggtga 180  
agatgagaca cgtccttaac tcaaggtgga agcaactggc aaactcaaga aataaaatag 240  
cgttttttca gcttaaattg t 261

<210> 740  
<211> 316  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 740  
aaacaccaat aaatttnatt ttntctctaa gagagacagt cctgcttggc acagcagctc 60  
ccctgtcctt ctgccactc tcagtgtctt ggctgtgtca tccttagaca atcgtccttg 120  
tctttatggt ccaaaatggt gtctgtacat ccagaccaca catccatatt ccatgtctga 180  
gaatggaaga gaggcagtga agggcggggg cggctcctgc cttctcagag ttcccagaag 240  
aaccctcaca acacatgggc tctcatctcc ttgtccgagc taagccactg accacagctg 300  
ctatggagta aggaaa 316

<210> 741  
<211> 236  
<212> DNA  
<213> Homo sapiens

<400> 741  
caaatatttt attaatctgt ttggccaaac aggtaatgga aactgagaat aataatttgc 60  
taaaaagtgc aggtcatgaa tgcccttttc cccagggaaa cagaagactc catgggtaca 120  
gaatgcacca ttgggttatg acaacgtttc aaaataatgt ttccatttca tatgtaacaa 180  
tgtaaacttc aaaaatagta aactctaacc cctgaccctc tttacagatc tatcac 236

<210> 742  
<211> 447  
<212> DNA  
<213> Homo sapiens

<400> 742  
tttttgtttt tttttttttt tttttttttt aaaattttta aaattttaaat ttattaggat 60  
ttattaacac aattacacag aataaagtgc aggatttcat taatgatggc caccaatatg 120  
tgcttctttg tggcttttta acccataaatt ctcatgattc aaattttattc atattatagt 180  
tgaatttcat acacagcttc acaatgtgga tattacaggt ccaccagtaa aattaatgaa 240

aacatatctt tcatgaaagg cacataaaga atctaaacta acacatttaa ggaactttga 300  
 taactttgaa tttctttaca ttacaaagaa aaaaatcctc caaatgaaac agatatgaat 360  
 atagtttatg gttacacaca cacacacaca cacacacaca cacacacaca cacaatatata 420  
 cttcaaccca gtgacaacac gtaactt 447

<210> 743  
 <211> 517  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 743  
 tgctcaataa atgtttactg aatgaatgaa cgcatagaaga atcaatgaag gaggcgggtga 60  
 aggaatgaat gagtcagtgg agaacctgaa ttgggttcctc aagccagcct tccactgccc 120  
 tgcatgccct ggcatcttgg acattttctng gcaactagget gctcctgcca cctcactgcc 180  
 aggggtgata cagggctgcc ggctctgca agccggggag nctacgntng tgcanggcac 240  
 gggaacagtg tgctgtactc ctctctggaag cttaggtcct tgaatctccg cacggccagg 300  
 gctgcgggtca ggctccaggt gaagatggag aaaaaggaga aggcgatggc ggcccgggct 360  
 gcgtccgtcc cttcgttcag tgggttgctc ttgggcttgg agacctgcca ctggttggcc 420  
 aggtagcaga atcccacgaa ccagaagaaa gcccagaang ccgagacacc gatgtcggac 480  
 aggacggctt tcttgcggtc cttgacgctg ctgatna 517

<210> 744  
 <211> 438  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 744  
 cacaagttag caatgggtatt taattttcct tggccaatgt tatgcttgag tttgattcat 60  
 acaataaaaa gtatggacca ttataattat cttagatttc ctctctgggt atctttttct 120  
 ggccaaatct tcatactaaa gagacgttaa gccacactgc attttctcta acttgctgc 180  
 aaagatttac taaaataaaa cagattgatc ttatccaagt aacaaaaaca aaaaagttat 240  
 gaaattattt tgctgcacaa atctaaaata ctattattaa ccataatgtc agcttactta 300  
 ggtcaattct tcaattgcac tattgctttg aactttcaca aactgtcatt ttccttccat 360  
 tctaaatatg acagttcagt tactaaggaa ttgggttttna gttaacaatt accttcaatt 420  
 tcatatgaaa caggagct 438

<210> 745  
 <211> 418  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 745  
 tttgcatctc tggtaatgct ttattgattt gagggatcct gctgcacctg gctccctacc 60  
 tctccattct catctgaagt gccctcagg cctccagac acttgcccc accagagatt 120  
 ataatacact catgagaatt gatatatgtg tgtgtctgtg caaatgcgtg tgtgtatata 180  
 tatgtatgtg tatatatata cacacatata tatgtgtgtg tatctctata aacacatata 240  
 cacacacaca cacacacaca tatatatata gatatatntg tnnngnngt acagtattta 300  
 caggtacaaa taaaatnggc ttgaaaatta cagtgggtgtg tgggacccat ctcagttcag 360  
 tttactcagc agatagaaaa ataanggcc agtgggcctt ttgaacggca ttngaatt 418

<210> 746  
 <211> 389

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 746  
aaggactttt tccccctttaa tatgaaagta taactacagc agttcaatgt acaaatacaa 60  
aaaaagttct cataactaaaa aaaaaaaaagt accataatac tgtacatatac aaaactgttc 120  
aacaagaatg atttaaatat gtctgttctt gtccagatct ggaagacaca aatgtaaagt 180  
tctgcaactg tattattgct aagaacatgt gcctgggaac actgtgtttc cctttctctc 240  
cctcagccca gccccgcctc cagagtcccc tgagcttgga tcatgagcca acagcatccc 300  
tgaagataac cagagccaaa tgtttactca atggaagtca ttattcagtg agctgctgct 360  
taccataaac tnatgaaaag cacaggttt 389

<210> 747  
<211> 318  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 747  
attatttatt tacatataca acacttgtga aaagggcgct agataagtag aacaagaagc 60  
ccagtttctg gtacatcctg cntctcagtc acctctagggt ctctggaact tgaaagctat 120  
gtctcttctt gcagggttct gttacaatcc attgattttc cctcacggta taaagttccc 180  
tttgcttaag tttcactgga ctatttcccc caaggtcatt ctgacaaatg atgttctttg 240  
ttgtttatac tgttcaataa gatttcattt tgaagaacat gatgnaatca tgtgacgaca 300  
ttcnttcccc ttattgaa 318

<210> 748  
<211> 395  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 748  
gaattgtaat aagctgttta tttacttttg ccccatgagg ctatgaattc ctccaggaca 60  
aattggctgg cactttgctg ctgtttaata aatatctgac aatgcatgaa tggcagtgct 120  
ctggcagaaa acagaatagt ccaccttgag aggcaacaag tcctaacagc tttttgttta 180  
cncagaggct gatccaccct ctctcagaga tcttagaggt ggtgctgaag attgataaat 240  
aggacacgaa tgccctaggg tcccttctga catggtgatt atggggcagt gactctggca 300  
gggggctgna ggggatcttt gaaaagcaac caaggcccgg ttgagctaata cacttgatat 360  
cagtttgggt tcacagcagc ttgtgttcca gaaag 395

<210> 749  
<211> 455  
<212> DNA  
<213> Homo sapiens

<400> 749  
tttttttttt cccatacaag atggtttatt ttatcctaca cacagaaaat tgcttatgag 60  
tatcacatta ccgctcttgg ttatcagtta acaaaggctg ctaatgaaca gcatcgttat 120  
caagttgggt aagagacgcc ctgggagtc ccaggcaaatca tgacaacaca gcaactttgtt 180  
ctgaaatata gctcatcttt catcacacac aaggagggtg gccagtcagg agagatttcc 240  
tggaagtggt aaaggcaaag aatattccgt gatgtgatcc cagaaatata ggggttaatat 300  
tacaaggagg agaaatgctc acggggcctt agcctggatg gcaattgtag aatgtcatgg 360  
ctttccctca gcctccacca gtccatgtct tcctatgcaa cagccattgt acattggtaa 420  
ataataacca caaaataatt tgtataaggg ggaaa 455

<210> 750  
<211> 366  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 750  
aatttaaaaa gtttatttgt attaaacatt atttcgataa taagatgaca aaggactttt 60  
gtccttcaac attgtagctt ctctctgctc attaagtgtc tgccaaggat aatccaccaa 120  
ggataatcct gaagacagtg ttagtctttt gatacagata agcattaaca tttgccatcc 180  
ccaactgcat tgcatttatt ttctttatta taataattca agcttcatgc ttagatcact 240  
agaggacata aaacaaatta naaaatcaac tatactgcat ttacaatgaa tgaggtggtg 300  
catttctcct gctttctttc tttttttctt catctgttac tgcataataat catcatataa 360  
ttttaa 366

<210> 751  
<211> 387  
<212> DNA  
<213> Homo sapiens

<400> 751  
gctggcacc gccacaaggc ccagctaatt tttgtatttt tagtagagac aggggttgat 60  
tatgttggac aggtgtgtct caaactcctg acttcaagtg atccaccgc ctcggcctcc 120  
caacgtgatg ggactataga catgagccat cagtgtttgg ccttcttgat tcttgaatac 180  
gggggttgag gtgaaagcat ttcataaaaa cttaagtcca tacacaagag catcatgaat 240  
attctaaaag aggtatctgt gctttttttt gtgaccacaa aatattactt cttatgaaat 300  
gtttacacta ggtgaggaaa agttcattaa ttacctttaa accgttcctt atttttttta 360  
agatttttaa ttgtattttg gctttttg 387

<210> 752  
<211> 403  
<212> DNA  
<213> Homo sapiens

<400> 752  
gtgcagtggc gcgatcttgg ctactgcaa gctccgcctc ctgggttcac accattctcc 60  
agcctcagcc tcccaagctg ctgggactac aggcgcccac caccacgcca agctaatttt 120  
ttgtattttt ttagtagaga cagggtttca ctgtgttagc caggatgggc tcaatctccc 180  
aaccttgtga tccaccacc tcggcctccc aaagtgtctg gattacaggc gtgacacttg 240  
tgcttgact aaaacaatgc tttctaaagc gcattctgca gcctgatgtg cctgtgaggt 300  
gagaggtgtg ggagggacag aagctttgtt caaagaggtt tgggagaggc tggatactta 360  
gctcccttct tgtaagtttg ccacacacat tggcatatta aaa 403

<210> 753  
<211> 323  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 753  
gtgacatgtt ttttgcttta ttgaaattct ctcttataaaa aggtctgang tatttttaggc 60  
caggcctaatt ttgcttttgt ccctgaaatg caggcccatg gtcatttcca tgcctctga 120  
agtaggtatg taaactagta gacttccatt tttaagggtc acacactttt taacattgtt 180  
tttatttgat gtaaaacaag acttatgttg tccctaattg aaagaccaag taagagagtt 240  
atgtgcgtct tcatggaagg gataactgga ttcttttgcca gaaccgggtt gggaatttag 300  
tttgttcaat gtggcatctt tca 323

<210> 754

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<211> 445
<212> DNA
<213> Homo sapiens

<400> 754
tttttaattg aagaaat ttaattaaaa aacatttttt tgacggcttc ttgttgagca 60
gggctacccc acaggccatg tgcctagagt ggccttaatt gaaat ttttg ttacaatcat 120
tgtagattcc tgtacagtta taagaaataa aacagccggg cgcgggtggc catgcctgca 180
atcccagcac catgggaggg cgagacgggc ggatgacgag gtcaggagac cgagaccatc 240
ctggccaaca cgggtgaagc ccgcctctac caaaaataca aaaaaaccag acgggcgagg 300
cggcgggcgc ttgcaagtcc cagctactcg ggaggctgag gcaggagaac ggtgtgaacc 360
caggaggcgg cttgcaagcg agccaacacc gcgccaccgc actccagccc gggcgacaga 420
gcgtctccaa aaaaaaaaaa aaaaa 445

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<210> 755
<211> 418
<212> DNA
<213> Homo sapiens

<400> 755
tttttttttt tttttttgct agtaactgtt tatttcactc tatacatttg gaaacgtccg 60
ctacatagct atggtcactg tgaccacaaa caacagatgg tgataaagca ctgaacagga 120
agaaaaatgc attccaccct caaaagaaat gaaccagtgt ttataaagac aacagatata 180
gccttcatcc ttaacaaata tatttctttc ccagtatttc cccaatataa aactgaaga 240
gtgtttatat atattcagtg caaggaatag tatcattggg acaactggac cacctctgga 300
gaaagaatga aattgaaaca tctgtttctg aatacatttc agtgtgggtg aataatatta 360
cactatagtg atgtgggaga ggctcctcta gcacccatct gcattccaca tggaaaaa 418

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<210> 756
<211> 293
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 756
ttatgaaaaa tccaaagttt attgcaaatt gtattttgct tcccttcggt cttcattttt 60
acaggattta ttgatatcca tgattttttc acagatgtac ttgttgactt tggagagtct 120
ctgtgcaatt tcagtttcat ccacagtttc ttgtgctatt ctgtcatata aacactctct 180
gacgatgctt agtttgtgag gcgagagggg tggtttaggg actgcatctt tctttttttt 240
tgtggcgacg ctggtngacg cttctgtttt tcagaacatc ctgttcccca aac 293

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<210> 757
<211> 330
<212> DNA
<213> Homo sapiens

<400> 757
agatagtagg atttatttta atttttcaat ctgaaaaaaaa aaaaacccaa aacaaaaaaa 60
aacaactat cctcatatat atatatacag tgtcaacatt ttcagagcac ttacattagg 120
aaacattggt tctcttcaac tgtatgacaa tactgtatat gccacaataa aatttacaaa 180
aacaatcgca tcagcagtca taacaaacat catgatttta catttcaata cacaagaaaa 240
aaaatagaca tcttcccggc acttggtccc cgctgacgg caacgtctcc tccacacttt 300
gagagacctc agcttttaaa acccagcagc 330

```

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<210> 758
<211> 150
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

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<400> 758

```

gagggcgggg ggggcatgcg ctgcccccc cgaggagcagg ggggtccagct tgctgagtc 60  
 ggggcgccac ttccgagtc tgggcaccct cgggggggaa tcccgggggc cgcgncgtcg 120  
 tctgagttcc tgggcacact cggggagggg 150

<210> 759  
 <211> 431  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 759  
 gagtggcagc agtgaggttt attggagcat cctaatacag acgctggggc ttgcattggt 60  
 gctcttgatg tacagagccc gcacgttttg ccagtttttc ttaagcaagg acaccaagaa 120  
 attgacagcc agatgaatgt tgtagactag ctcatcatcg gtcattctca cgtggccaac 180  
 agcgacggcc aaacacagca ccttcttcat ctggaacttg attgtcgatt tcacctcatc 240  
 cactttggcc accatgtttt cattgtgtgt cagcagggag gggaacttgc cagccttggt 300  
 taggcctggg ccaggatac gtgggatctg cttaatacaga gactcagagg ccaaaaaggc 360  
 atcgtacttc ttagccagct tcttgaccaa cttcttgttt ttgttaagct tcttgagcgc 420  
 ctcgatgtcc n 431

<210> 760  
 <211> 365  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 760  
 ggggttaaag atttcttatt tatttttaaaa tatgataatt atggcatgag tcccaacagt 60  
 gagaggatgt atctgtaagt tactccacac ttttcaatta acatgaacat tttttagtag 120  
 gcatatatct caataacttg ataatacatt ttgttttgct tgtgttntn aggaanaaan 180  
 nnttttnatg nnagccagag aattaccttc agntgtntna cnggacaagg tanatnaatg 240  
 ngggaatgca tattcccaat acctaaagat agatngntga gctcagaata ttactcagtc 300  
 ctaggagtaa ttttttcttc ttttctccc ttnaaacactc cattggaact aactgagtaa 360  
 aggca 365

<210> 761  
 <211> 397  
 <212> DNA  
 <213> Homo sapiens

<400> 761  
 aagggtgaaa ttaggaattt cttttttatt ggccactaaa gtcctagcaa gtttctgaca 60  
 gaagcacaga cagaaaatgg aaacaaatac cttactggga atgtttcctt gcttgacta 120  
 accttgacta cagcaataac gcattgctta acagtcaaag tgcaccaggc catttccgca 180  
 aatggcaggg tgagtgactg tgccgttccc aaggaagcaa aacagacaca aacagggtccc 240  
 acgcgctggg tgccttggtg gactacagag gaggtgcta gaccggcagt acccttttcc 300  
 caagtgagga aagccagctg tgacactctg cttgccggca ggggttcccc accctcccct 360  
 ccaccatctg gcccatagct gtaccaccaa ttacatt 397

<210> 762  
 <211> 621  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 762  
 ccttctgttg agatggagtc tcactctgtc acccaggctg gactgcagtg tcgcgacctt 60

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ggctcactgc aacctccacc tcccaggttc aagcaattct ccccacctca gcctccaaag 120
tagctgggat tacaggcatg cgcaaccatg cccagctaatt ttttgtaatt ttagtagaga 180
tgggtttttcg cttagtagag atgggggtgtt tgccaggctg gtcccgaact cctgacctca 240
ggatgatccgc ccacctcggc ctcccaaagt gctgggggtta caggcttaag ccaccaagcc 300
cggccgacct tcttctatct ttccattctc ctttccaaag ccatggccat gcgctcctgt 360
gtacagggtgc ataaacacat cagtgtgcc a tccctcacat gcatgtcgtt cccacccct 420
ccttcccagg gcttctcttg gctccagcgt tctcttggga ccctctgcag atacagcctg 480
tgctggaccc ccagccaggg tgaaggctca ttctgctctg tcttcccca tgcctcagtt 540
tccccaaaag ctgnttcagt ccttctagta aggggtccca tggggcaang atcccttang 600
attaatcttc cncttgggga g 621

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```

<210> 763
<211> 440
<212> DNA
<213> Homo sapiens

```

```

<400> 763
ttttctaaaa aaattttttt aatcagttta aaagtctcag gaaaaagaaa atcaatcaga 60
aaagcaacta taccaaaaca ggggtatcca agtgagcttc tctcacttcc ttagatggac 120
ttcagcttat aggatgacac gagatgcgag taagaagcta tttgcgcatt tcagctgcgt 180
gacttgtgtc tgcgttgctt tcctttcttt cttctgtgga ctgagaatgc tagtgccttt 240
gaatttgtct ttacaggacc tgagggctct ttgatggtaa gagaatgaat gatcattgct 300
gccttgagtt ctgtgtgatc cgtcaggcct cgcctccagg atggcaattg tagcctgaga 360
tgacgtagcc caagttgcac agcagagttg ctgttctgga aacactgtgc cgagtgacca 420
ccgaccttca cagtgttagt 440

```

```

<210> 764
<211> 347
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 764
ggttcttttt acatgtagca ggcttattta ttgttaaatt acananacaa tactacnatt 60
acnacagatt aactcagcaa tgagaaaagg ttgagtgaag atgtcaaaga gttaatttaa 120
ccctttccgt tgttaaaatt ttacactcgt tctgttattc aacaaatata tatccccact 180
ccccagaaat gtcattttct taattctctg tgtgttatat attgttttct cctattcact 240
caaataataat cacnaaatcc aatatacagg agagaataaaa ggcagtaaaa agaaataata 300
tacagagtat gataaatatt ttttaaaaga gagaaaatat atactgg 347

```

```

<210> 765
<211> 431
<212> DNA
<213> Homo sapiens

```

```

<400> 765
tttttgaggg aacatcatgt ctttatttga ttaatacatt cttcaatatc ggcaacttaa 60
ggcagaggcc acgtgtcaaa cttcttttga tgtttctagc acctttcaca atgcatgggt 120
catggcaagt acaacaaatg attgaattcg attaaatgta ggaaaatgac aagattacct 180
tttccaatat gtcgcctagt gttttcaatt gtcgaattac gattaacatt tgacaacaaa 240
cccaagcaga atctactttt gttatttgaa ggatctgtga atccatctac taacacacta 300
gtagaagatg catgaaaagc ttctccaaca cgattgttta attcatagta gactattgaa 360
caccaatgtt taggctcttc ataggcaaca ggctgaacat ccctgctggg atatactggg 420
cataatccgg a 431

```

```

<210> 766
<211> 471
<212> DNA
<213> Homo sapiens

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<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 766  
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 gagggccccc gatcggcccc tcattcctcc tcgtcttctt cttcttcctc atcgtcctcc 120  
 tcgtcggcct tgtccgcggc anagttggcg gcggcagagg gcacggcgcc ctccgggagct 180  
 gcggcggcag tcggaccttc gtccttatgc tctttcttcc acttcatgcg gcggttctgg 240  
 aaccagatct taatctggcg ctccgtgagg cagagcgccg tgggcgattt caatgcggcg 300  
 gccngtacaa gggtaagcgg ttgaagtgga actccttctc cagcttccaa cgtnccttggg 360  
 tancccgctg taaggttttg gcgggccccg gtttcctggg caaagggtccc tnaagaacgg 420  
 aaatccaggg gtaaaatgcg gnaaaattgg cttaaanggg ggcaatnaag g 471

<210> 767  
 <211> 381  
 <212> DNA  
 <213> Homo sapiens

<400> 767  
 ctgaattaaa gagatgaatt tattggtaaa tagataaaat taacacctat tttaatatat 60  
 ccaaaccctt tccttatata tattaggtaa attaaaagaa aaaaattatc aaagcaatac 120  
 tacagccagc tagatcgcca atttacaat gagttaagta agtaccataa gtttggttga 180  
 atatcagggtg cttcagagtt tttctcaaac agttacaaaa gagattaggt tcccaatcag 240  
 ttcacaaaag ctaattttaga gaatgtagct taactacagt actgagggtg tcacacactt 300  
 aactttcggg ctcttgctta tttattcata tctgagggtc actgtttcta ctaggataca 360  
 ttccgcccac acccacacct c 381

<210> 768  
 <211> 346  
 <212> DNA  
 <213> Homo sapiens

<400> 768  
 ctggatcttg ctctagtgtg agcactcctg aacttcacat attctccttg tcccaaattgc 60  
 aagggtttac tctcaagaga ctctaggctc actgcccata aacctttgag ttggaccaaa 120  
 tcttaacatc cctgtggatt tgctcatact gccctgggca gaactctttc cttctttgga 180  
 agtctgaatt acttcatatt tgacatctat ttgaaaattc tgttttacag gggttaggat 240  
 gggggtagggt aggcacagga aagagagtag agcattctct cttttctagc aatttccatt 300  
 atcatgcccc ttctagcttt tagaccagca gttctgagac agggat 346

<210> 769  
 <211> 390  
 <212> DNA  
 <213> Homo sapiens

<400> 769  
 tacaatggct ctgaaaaaaa tttattgatg gatctgagaa ttttttcaca catgaatcat 60  
 ttctccttcc aatggttatt gatactgata gaagttcccc gctgagactc cctggaccga 120  
 tggtttgtgc ctgctgggca tccactatg ctgattccta ctctaaaaga cacttacagc 180  
 agaaagcatt caccatgac cattatgaag gaaatattct gtccctcact caccctctgg 240  
 aagctaatat ggagcagcag tcactctatc cagagccaca tgttcacagt tctctagcaa 300  
 gcaggtcaca ccccggtggg cccctattcc ccgtgacctt tgttgatcca tctcttctt 360  
 gctcagttgc tcccctgctc acctggactg 390

<210> 770  
 <211> 370  
 <212> DNA  
 <213> Homo sapiens

<400> 770  
 ttttttttta cagggtggcac tgtttattat tgagtttcat attttatatt gtgtatttta 60  
 tattttataat tagtactagt tacacatatg acatggactt cttcaaataa aattcccagt 120



tatgaagctc tgcagagacc gttcccacag cctgactaca aagatcaggc acctgaagac 180  
 gcatgtcctg atggatacat tcagtgtctg ctgaaaagcc aacttcagtg tgtgccttac 240  
 cactgtggat atttaaataa aacaacggtt tttcaaacca tgagttagct ggaaggatgc 300  
 ccacgccacg cacactgcag cactgggagc tgcactgggt ggacgggaag gacgcaaact 360  
 ccaagcagct 370

<210> 771  
 <211> 403  
 <212> DNA  
 <213> Homo sapiens

<400> 771  
 attaatgcaa acatatTTTT attaaagaat gaatgcattt atgctaaaga atagcttaca 60  
 tatgttgtaa agcaacaagc atatcttcaa gaagttagtc ctctcaata tgactccatg 120  
 ctattctac atgcctgaaa actgggcca cacacagggg cacacgtaca cgcacacaaa 180  
 cgcagatagc gacacacaga tatgcagacc gaaatgctga caccatcgct ctctagattg 240  
 gattagctct catttaagc ttcttaggtg ccgcagtgcc cctaataatta ccaggattga 300  
 aaacagactt ttaggaagga gcagcattac ttcgaaaagt agtcattctgc tcttgctctc 360  
 caatgtgtgt attttaacaa ataccattta attctatgtt gac 403

<210> 772  
 <211> 504  
 <212> DNA  
 <213> Homo sapiens

<400> 772  
 tttttttttc gctacaaatc aaaaggcttt attccttata taaaccacaca cttagaaaaa 60  
 ataaatagtt aataaattat aggcaaacca gttggtctca gccacgcctc cactgaggt 120  
 ccagggcagc cgctgcagca gcagacgagc gggaagggtg ggccacagct tggctcaagg 180  
 gcgtggtctg gactggggac gaaggacagc aggaggaagg caaggctctg gtgagggcag 240  
 ggatgggggc taaagggtggg ttctgagggc gtgcccaggc tctggcccgg gcagcagggg 300  
 tgaggcaggg gctcagctcc tctgggcct gggtgatgcg gcgtgcgaac ggctgcgac 360  
 ccgagcaagc tgctcccagg ggccctggcg ggcggcctgg ggcgctctg ccagacagc 420  
 caggaaatgg acagtgcct tctcggagaa gcgcaccttt ctggccttta ggggagctctc 480  
 agggctccga tcatgagtag gggt 504

<210> 773  
 <211> 427  
 <212> DNA  
 <213> Homo sapiens

<400> 773  
 tttaacattt aagacagctt ttattaaata caaaagcaaa ataagctcta aggagtaagg 60  
 tagggctact taaggcgctt ttctgtggac agcggacaca gcaccattaa ggtagctta 120  
 gatttgaaca aaccatgagc agacagctaa ctacatgtta tgtttctctt agtagtttta 180  
 gggctctgcc agtaatcaag aaattttact tctccagaat acatgaacat gggaacacaa 240  
 gaaatgtaaa tatttcgaaa aagcactaca caataaaatg agacgcaatc cttatgcagg 300  
 tcaagatgtt ctccacatct acaatgtgca ttaacaaaat taatgcagat aagaccttca 360  
 ctccaacccc aaagatctta catggttaat actattttcc aaaatcagca gaacaagctg 420  
 cagttac 427

<210> 774  
 <211> 362  
 <212> DNA  
 <213> Homo sapiens

<400> 774  
 aagatctata aatatattta ttataatata acaagaactt aacagtaaac atatactatg 60  
 tacaatacca ttacagagaa ccctgtttta tatcattcac agaaatagcc agttttgctc 120  
 cagtgtgata gatgaggaga gaaacgaatt tcaatgtcat ctgtgttgag tctcgctgac 180  
 aactagaacc tcctttggcg tcagacgcac accaatgcta acattagccc tgccccaggc 240  
 agttaggaat ttgtgctcca gtccttgggg tcacacttgc accctgtttg acataaatac 300

tttaaagtac atacaatgta tgtagttttg tgcttattac tttttaaaat aataaataat 360  
at 362

<210> 775  
<211> 476  
<212> DNA  
<213> Homo sapiens

<400> 775  
tttttttttt ttatgatttc acattaagtt gtctaatttg ctttgtggtg gtgggttcac 60  
cccggtacta cccataaacg aatcagtaaa tgagacttag tttccaacct tacttcccga 120  
ctagacaact gcatgaaaaa ttggatagcg aattatgagt ccaagttcta tagctggcat 180  
agtcctcatg ctttagcccc agcctctgag cttagcagaa gacatttttg gtccttatat 240  
attgctagta ggattgtata attcttgact gtgttgacaga atcttacagg actacaaaac 300  
ttaccatgat gtgtcttata aggaagactt gccaggcaaa ttttcgggca agccagcaaa 360  
atagttaaag taagagtaaa gaggaacacg tgaatgatgg ggagttggtc taggaaaata 420  
ttgtgaggaa aataaatgaa attctatggt tagccaaata gacaaagata gcttct 476

<210> 776  
<211> 153  
<212> DNA  
<213> Homo sapiens

<400> 776  
tgggtttgaa aacatgtatt attagaggca catgttttaa aacaagtaca gtatgaaac 60  
ttccttttca gtgagccagt gaattttcat tcgtttgttt gtttctatga atatttggtt 120  
tacttccttc ttctgggcaa gattagtatg caa 153

<210> 777  
<211> 486  
<212> DNA  
<213> Homo sapiens

<400> 777  
cctaaatggt tcaatgccat aaagcttaca ttcccttgaa gcagagtaca ggaaacctta 60  
gcaatatgct accatccagt aggatataaa tataaagaag ctgtatcagc aagggatgct 120  
cagggaaatgt gtttgcagcc cgtttcacgg tagccgcttg agaggggata ttggaagtga 180  
gtgactttct ttcatttggc aaagtttctt tatctcagca cctactcttt ctgatggtat 240  
gtttttgaag gctgcacagt acgactctgg gtaccgtgtg tacatacata tgtaaggaat 300  
aacgtttatg ttgctcagaa taggcacttt ttgaaggcag taaatctaaa agtaaaagtta 360  
atagagccta tatttagtgc tcatcttctc acttttgctga tgtgtatgct gaacagaaga 420  
tcacagattt gagtcagtct cgcaaagagg ccggagtgcg aaatggctat attcagagct 480  
ggggaa 486

<210> 778  
<211> 307  
<212> DNA  
<213> Homo sapiens

<400> 778  
attaataatt ctctatttat taaaaagggc cctacagctt tacagccaca gcaccggaca 60  
cggccctgga cagcgacggc gagcccggcc aggggcccgt ttgcaacttc aatgccaaagc 120  
tcacgtctgg ctgcgaccgt ggcaggctgt ggcacccccg acagcggccg gtggcggagg 180  
tatgggggag ggtggcaccg ctactctgag attcacagaa catggcaagc ccgcctgact 240  
ggcatggcag tgaatcgctc tgtacagctt catttcaaga aaacagttaa cagtaggagt 300  
tcaaagt 307

<210> 779  
<211> 228  
<212> DNA  
<213> Homo sapiens

<400> 779  
gaccacagaa gtttttattg cctcctgct ccgcaaaggg accttgcttc tgctgggttta 60  
gcacctcaag acgtctgtga tggttggtctc agacaccact ttgccgtcca ctatcctgtg 120

ggtgttggtc ttttggatgc tttacaggta tttgctgctg tccagaatac caccaagatt 180  
gaagtcctcc ccatcttcta agcaggcggc aggtaagggtg gcaatctc 228

<210> 780  
<211> 427  
<212> DNA  
<213> Homo sapiens

<400> 780  
aacagtgaga tccaccttta ttgaaacatc acacggcagc atcagggctc ccacacctca 60  
cagggcagca ggcagttcac aggacagcag gcagttcaca gggctttggg ggcctcacag 120  
ggcagcaggt ggttcacagg gcttcggggg gcctcacagg gcttcggggg gcctcacagg 180  
gctgcagggg gttcacagag cttcaggggc ctcacagagc ttcagggggc tcacaggact 240  
gcaggggggc tcacagggcc ctgtatgcag ggctgctggt acaaagaaga ggcccagaga 300  
accctaacac agcctggggc cccggggaag tcagggttc cagcagggca ggtacagagg 360  
cccctaggac ttggcaggag ctcagccttg gggacagtcc cacggaagac gctgcatccg 420  
ggctctt 427

<210> 781  
<211> 491  
<212> DNA  
<213> Homo sapiens

<400> 781  
attttttccg aagtgaaca cgcagcttta ttaagacagg ggcggtagaa gaaggtctcc 60  
atgctgaaca gattacatta tggagcccgg gagcctggga aggatggggc aggagagtga 120  
agggggcttt gaggagaggt cctgccagga acatctgtcc ctggtggggg tgaagggtaa 180  
ggggggccagg gcctcagaag cggccatgcc agtgatcagg ggaacaccga tggttcctct 240  
ctcggggatg gtggccagta tggaaacctc ggggtgacct gcgcctgggt ccccgcccat 300  
agagctgcct ctggaggttc tgggaaatgg gccgcagatg catgaagttg cagaagccac 360  
ctcgggtaca ttcccgtgca cacctgcccg ttgaaccacg gttactgagt tcagcacggc 420  
ccgctcttca atctctccct ccggaacttg acatagacgt tggccacgag gtgggtcccca 480  
aggttgtcgc a 491

<210> 782  
<211> 434  
<212> DNA  
<213> Homo sapiens

<400> 782  
tttttatttt caatcaaatt tctttttaat gaaaactaat ttttaagggc aagataccac 60  
agcagaagaa aaacctcttg caagaaaaga cttcatgggt tacaacgatc aaatgtatgg 120  
gctattttgcc tgattgggtg cctggactca gcaagagatt cctttgcagc agaggttggc 180  
cacacatctg ggggctgcaa caccactgaa aagacagctt tctaagcatt agtghtaaggc 240  
aaaaagcaga gtgcctaaac ttgtccattt ccaccaagaa aaaaagtttc atagcaacct 300  
tccttcacca gaaaggctta ctttatgata tgctaacaga acagaaaagc aggttggggac 360  
aagatacaga ctttgttgca tttagctatg acccttctct cccctctgtg gatgtgggca 420  
gggtggggag aggc 434

<210> 783  
<211> 238  
<212> DNA  
<213> Homo sapiens

<400> 783  
ttttttcaaa tgcattcttt ttatttgaga aggatgatct caaggcagtg cccgtttggg 60  
aaagatgtct ttcacatca tgtacatcag gatcaaccat tactttcagc aaagtacaaa 120  
aatacacacg tcagtgactt ccgtacaata aatacataat catgcatccc acaataaaag 180  
gcaccgaaaa ctggtcactt agtagtcata aaaattacta gctacattaa caaaggcc 238

<210> 784  
<211> 434  
<212> DNA

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<213> Homo sapiens
<400> 784
tttttgggta gggatgggtat gaatttaata ttttttagta ttacaatata ttcttataaa 60
aaaggtgcaa gtgaaaaagg acactgtaga ttatgtccat tagcctcatt tgtcatctga 120
ggcagctggg gagaacagcc ttgggtcgaa ggcacccctg gtagaagtcg ggggagatag 180
atagtcacag ttccccagtt ggtggaaatg ggatgggagt agggagaggc tggaacagac 240
ccttccccat tcacctggag aattttctcc tccactgcc ctaaactatt tatttccatc 300
acaggggaga aatgctgctg agaaggttgt gtttgtagg ttgatgacga attttacatt 360
ggccacaaaa ttagctagag aaacttatct aaaggtggca ggagcagtgg ggagggcatg 420
aagaaagcaa gacc 434

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<210> 785
<211> 404
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<223> n=a,t,g or c

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<400> 785
ttactgacac acagctgtat tgtttatttg ctgatgtgag tattacggta ctcatccttt 60
tgtgcatgta aggactcatt tctcctggat gtgtaagcaa gagtggaaat gctaggccat 120
agggtagatg cgtatttaac ttgatgagaa gctgttcagt ttctgccgt gggtgcaaca 180
aagcacattt gcaccagcag cgctgggag ctgctcttct ccgtatcccc accagcattt 240
ggtactggca gaccttctcc tctgagctat tctgatagtg gggcagtgcg atttcacggg 300
ttttaatgag atgtggagca cttttcagag gctggcctgg tttttgtagc tgccctaggg 360
acnctcgagg agggatggga ggggggttg tgaagaggat gttc 404

```

```

<210> 786
<211> 421
<212> DNA
<213> Homo sapiens

```

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<400> 786
aagtttcttg gaaatttttt tattctcctt gccaacattt cttttgacat tttattactt 60
aattatgtga cattaagaaa taatttggtt gcatattatt ttcaaaaagc agtaagaaa 120
tagctattga gaaagaagga gggccatagg tttttcaata aaacgttaga aacattataa 180
aaaacgagac tcccattaca tggaaacaca tgatcaaaga tcagactaac acacattcaa 240
acaggccttg ttcgaaatag agttctccat ttctttcaga tgagcctttt ttcttaggct 300
ctttcagaag cacttcacaa tgaacagagg tcttgccagc tcatttcatt agcggagaag 360
caaaggatat atggcagaat catgagaaga tggaaataag gcctgaggat atggcttgat 420
c 421

```

```

<210> 787
<211> 339
<212> DNA
<213> Homo sapiens

```

```

<400> 787
tttttttagaa aagaagttgt ttttatttta attcaagagg gttggaaaca taaaaacagt 60
acattttcct tgcagaaaaat taccctattt aaattactat ttggtacaga gattatttat 120
tacactgcat tttaggcaat tttctaacat taagtgacaa gttatacttt tgattttttt 180
tttcacattg gagctattat gatttgact cataatacca aagctactga actcaccaat 240
ttttttctta gtaattaaaa aaaagcacac agaaaatata actacaatta gattaacttt 300
atcaaaagta actctttcag accaaacatc cagcaaaac 339

```

```

<210> 788
<211> 368
<212> DNA
<213> Homo sapiens

```

```

<400> 788
tttaaagttt ttttcagttt attatttcat gatccctagt caaactga taccctaaaa 60

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taggattttc	cttccttct	ctgaagatta	tttcaaaaaa	tccaagagga	ataacagact	120
ttctggatgc	tgtctacca	tgttcttctg	ttaaatacaag	ttccttttcc	cgcaattgaa	180
ggatgttgca	gatgtgaaac	gtgtggtaaa	gaacattgtc	tttgctttca	ggccccacct	240
ggccctttct	ggccgtagct	ggtactagat	tttgataaaa	gtatcctaata	actcagggac	300
tattttctcaa	agaccagaat	cccaagagcc	agagactgga	tgagagacac	caagcacaag	360
acagcaat						368

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<210> 789
<211> 337
<212> DNA
<213> Homo sapiens
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<400>	789						
ttttttttttg	tagttcagaa	gccaacccctt	attttattaa	aatgtgtaca	agagatgggg		60
aaggaaaagg	accagactgt	actgtggcca	tgtacacaaa	ggcatgcacc	acatcccagc		120
tctgctgccc	tgggctgtcc	cacaggcagc	tctctagaac	ttgagagcct	caaaaggggc		180
ctcatgaagc	ccagatcttc	cctgggtcaag	ctgatggcat	tcgataaact	gaaagttggg		240
gaagaccacc	aggtcagtgg	agtggagagg	ttttgtatat	ggtcttcttt	gaagaaactt		300
acttcttgca	agccctggca	tcttccaatt	ggctgtc				337

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<210> 790
<211> 412
<212> DNA
<213> Homo sapiens
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<400>	790	tttaacaaaa	tgctttat	ctatttttaa	atgagaggca	ttcccatgaa	atatcaaaag	60
		gcattttacat	gtgttg	aactcttctt	ttttgatcac	acaaagtagg	tagaaaagat	120
		ctgctgaaat	agagcaa	agaaaccaag	tagtgtaagg	cattaggaga	tacatgaaga	180
		gaatcgctat	ttgcttcttg	tacagcgtgt	ggcaagtc	ggttagtagt	catcgtagtt	240
		gacgctggct	ccatgcctaa	agccgtaggg	gctccgggga	ccaattgcag	agtcttc	300
		atagtgacgt	tggtagta	cgccatagta	ttcatgtcca	tttcgatctc	tgtaaagcca	360
		atagggtgatg	tc	atcttcaa	atttcgcttc	gtcaaagccc	atgtagagaa	412
						ac		

```
<210> 791
<211> 346
<212> DNA
<213> Homo sapiens
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<400>	791								
tgcggccgcc	ctccgtggaa	aaccggccaa	agatctcagc	cttcctgccc	gcccggcagc				60
tctggaagtg	gtcggggaat	cccacacagc	ggcgtggcat	gaaggggaag	gcccggaagc				120
tgttctacaa	ggccatcgtg	cggggcgagg	agaccctgcg	tgtcggggac	tgtgccgtct				180
tcctgtcagc	tgggcggccc	aacctcccct	acatcgggccg	catcgagagc	atgtgggagt				240
cgtggggcag	caacatggtg	gtcaagggtca	agtggttcta	ccaccctgag	gagaccaagc				300
tgggcaagag	gcagtgcgac	ggcaagaatg	cgtgtacca	gtcctg					346

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<210> 792
<211> 443
<212> DNA
<213> Homo sapiens
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<400>	792								
gacagacatt	caagacaaac	tgtattggaa	atacaataat	gaatttttggc	ctgatagccc				60
tcatgctgtc	ttatagcaaa	acactaaaat	tcatgcaaca	gagaaattgg	tgacatgagg				120
acttttttctc	cagacttcct	ggggaaaaac	tgtgagaata	tacttttttc	ttctgtttgc				180
tttcgaaatg	cattctttct	tttgctgact	ttcccaaact	ttcccagtcg	tttctgatga				240
aaaattcttc	aataggaaaa	gaccaggtaa	acttacatga	aagacatcaa	gtatcttttg				300
agctccttct	ctctgccaga	ggagcaatca	actggattac	acaaaactac	cttcacaact				360
aaaacaggta	gaattggaac	aggaattagt	tgtcattaat	atactcgtaa	taaaataaag				420
cttgtttctga	aaccacaagg	ggt							443

<210> 793  
 <211> 453  
 <212> DNA  
 <213> Homo sapiens

<400> 793  
 tttttttttt ttcattgtac aatatcttta ttaaagaaat gcattccagc aacactgtca 60  
 gcatctttat taccaaagaa atacataact ttaacagata atctctgtat cttagttttt 120  
 gcctttgcaa aacaaatgga gatatatcaa ctctcataca attctaaaag cattgtgctg 180  
 tgctgcctca caggggtacg ttcccagagg tttctctctc tagagcaatc cctaatagga 240  
 caattgttca ctctgaggct tctggcttct tatctctcct ctcttgggga gctgctgctt 300  
 ctctgtaggt tgcttccctg tgacgcaggg accatagttt ctgctctaataaacacctttt 360  
 ccactctgac gtagctgagc catacactac attgccttag tcctgttcac cctttgggtga 420  
 ttctgttcca tttgccacct ggctcttcc tcc 453

<210> 794  
 <211> 422  
 <212> DNA  
 <213> Homo sapiens

<400> 794  
 ttttaacaatt gcaaagattt tatttagcgg ctttctgtgc ttggccttag aaacagagtt 60  
 ccgtgcataa gggcaaattt ttgtacacct tttcttcata catattttac ataccctttt 120  
 attgccccct ttttcatatt cataatattg gattccccac taggcacata aatacattta 180  
 tctacaacac ctcaaaacca gaaactttaa taatatctgt attattttac ttggtattat 240  
 ttgcatttcc acaccattta aaaatttttag cttgcaccaa gcttcacttg ctttcttacc 300  
 attaaaagat ttgaaggga agggaaagat gaaggacaaa acccaaaact tcaaaatgca 360  
 atgtactatt tgataaaaaat ggagatctaa gggcaggtag aagggtatag aagacccatc 420  
 tg 422

<210> 795  
 <211> 514  
 <212> DNA  
 <213> Homo sapiens

<400> 795  
 agaacaaaat atatggtatt tattaacac atgtgacata ggttataata tcaaagtaga 60  
 gcatgcatga acagatgatt cattcgttta acaaaaacac caattgatac tgagaacact 120  
 aaattattaa atttccaaga catataaaat tctctttaag ttaaagttag aaagaaaaaa 180  
 aaatcacaag ttgaataaat acagtattt cagctggtcc aatgaaagca taaggcacia 240  
 attaaaccaa gggactagcg catcagaatg aagcttgtct ggcccacaca agtctctcag 300  
 tgtggctccc acgacctgc acagatgctt gggaccaaga ggaaagagca cctgcaggcc 360  
 gggaaacctc ccttccagg tcaagtttg ctgggtgccc atgcttcttg tggacaggcc 420  
 tctctgtatc agagaaacgc tgcttctaatacttttatgg gtaaacaaaa ccttcatgct 480  
 ctatcaaaca atcctggcat gaataacatg aaac 514

<210> 796  
 <211> 401  
 <212> DNA  
 <213> Homo sapiens

<400> 796  
 ttttacattt ggaaaatata ctttattcaa taatataaac aatgtagtag atatatttga 60  
 ttattttaata atcattttaa gtttattgta cagatgcaca tgtcaataat tagtgttttt 120  
 cagatgggat gatatacatt ctgcttttat ttttatctct ttggtaacaa ttattgacag 180  
 aacaatgaaa caagataaaa ttgttttaca gttgtaatac ccttgtatgg taattctcag 240  
 cctcttttat cttatattct actagcactt acatctaata ggtctcaata aagtagaaat 300  
 gtaaaagtat gtattttcag aaaaggtcat atttcataaa gattctgtta ctatgttagt 360  
 catttatcat aagtgttaag tctaagaaaa gttgtaatag a 401

<210> 797  
 <211> 408

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<212> DNA
<213> Homo sapiens

<400> 797
ttcattttgc aaattttaatg taactctgat accaaaatat gacagcacac agaaagcaaa      60
caataaagca ggaacagcaa acagattttt ccatcacatg acaccctcag ctgattggcc      120
ataactgcct tgactgctgt gtggacaaag attccaagga tgtactttgg ctccatggga      180
aggactactg caattttatta gcggtatctg taaacatggg gaataaatct gaaacctcac      240
tagccatacg agaagccaca ggcaccaaga ctggcgggctc cactgccaaa gccagcactg      300
gtgctcggtc caccaccaaaa gccagcacca gtgtttggtc caccgccgaa gccagctcct      360
gtgctcggtc caccgctgaa gccactggtg cttgggtccac tgcagaag      408

<210> 798
<211> 175
<212> DNA
<213> Homo sapiens

<400> 798
tttagaatgt tcatagcagc tttattcata atagccaaaa ctggaaacag cccaaatgca      60
tagtaacaga atgagtaatt tatacaattc aatactgtat acaacagtat gaatgaacga      120
actacaacat gcaacaatac agatgagttg tatagacata ctgttgagtc aaaga      175

<210> 799
<211> 478
<212> DNA
<213> Homo sapiens

<400> 799
ttttcccagt ttcaggtacg tctttatttag cagtgtgaaa atgaactaat acagactgga      60
agccttgtga caggaaaact gaacatctga gacatctata ggaaaaaaag atctgcttac      120
atccagtcct tggagttcca gtagactgat ttattcacca acagcattgc tctccagct      180
ccattccagg agacaggcac ccgagaagta gcaggactgg tagacatcac tagtattgta      240
tatgtgttgt gcatgtatgt gtgttgaaaga agaggatggg gaaaacaatg atggtggtca      300
ccaggtaaga tgggacccag gaagggattg caagtccagg ccccatgaac acccccaaag      360
aatgcccctc ctcttgaaa taaaagtgtt tctggatcca gggagatcaa cagttgcaag      420
ctgatattaa gagttgtcta ttggatctgt tctaagggat atgttatgtg aagccaat      478

<210> 800
<211> 408
<212> DNA
<213> Homo sapiens

<400> 800
atcttaagag tctttatttta acacatatag tacacatttt cagtcatttc atcatcatcc      60
aagtacatta agatacatc ccatgtatat tacaaggctt attgttcaact catcatcttc      120
cctttctact ttaccttctc atttcttgaa gtctctattc tcattaattt gttatttagt      180
tacagtcctc ttttcagttt cttcagatgg ggatatgcag atgatatgatt cttggaatcc      240
tttctgcac cttttcactc tggcagggtga atgatgcttg gctggaaaga gacttcttgg      300
ttactttcct tttctcttaa caggatataga tatgattcca ctgtctgata ccagtccaat      360
tcttttccca ttgcaaataa cttctttctg tctggaatct tatatatt      408

<210> 801
<211> 110
<212> DNA
<213> Homo sapiens

<400> 801
gatccctgaa gttgccctgg tctctgcacc ttctaaacct agttcttaag agctttccat      60
tacatgagct gtctcaaagc cctccaataa attctcagtg taagcttctg      110

<210> 802
<211> 223
<212> DNA
<213> Homo sapiens

<400> 802
cagaaaacta aagcagcacc tttattttat acatacaaac agtataaaat gtttattagg      60

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taagagctgt gttttsttta caatatatta tatybscttc avrcgccaat gcaaaavvgt 120  
tcatacatta tattccctat ttcattgtgt ttagaatata ttatattgtt taaatgmcac 180  
taccacagtg taattttttt ttttttaata ctgaatctct gga 223

<210> 803  
<211> 293  
<212> DNA  
<213> Homo sapiens

<400> 803  
cgttcgtaa atctttattg aygcgtggac actcctbccc ctccagcccc gccccccagc 60  
cccagaaata ctagaaaagcg caccataaaa cgagggcacg agattgtbgt cccattcacg 120  
acggagctga gggggaggtg tgcaggttcc agcctagatg ttcaggattg agatgtgggt 180  
cgtgaaagga aagtgggttt tccgggatgt gggggctttt ctvaggactg ggtccactga 240  
cgctgctgyt cccaagggga tgctaggacy ccgytcaggc aggggtgggc tcg 293

<210> 804  
<211> 517  
<212> DNA  
<213> Homo sapiens

<400> 804  
ccaaatttca aaaagtttta ttttgaaaga atgagagaaa taaaacagag aggtatcaat 60  
taccaagaac aattacactg aagaaaacac aataataagt actctcccac acaaccccc 120  
ccatttcccc atccctggca caataatatt aaaaccacca aagcacacct aacaaggaaa 180  
aacaacagta cgtaatgaaa aaagcaaatg tccatactgc tcagtccaac taacccttat 240  
gaaatgtcct tccccagct aaaccctacc cactggaatg ataaagawat gtagagacaa 300  
ccctagggga gacttggaac tctgcttata ctagcaaagc tcagtgaaga atcagtaaga 360  
gtagtgaatc tgtttggcag tgaacactgg atatagcttc tttttcaa at tttggatgat 420  
tgtagagaac aggtagagtt tgaggctcac agacttctaa caggactgat ccctgttccc 480  
tcaaccgtaa cagtggggba gctgccaaat cctgggt 517

<210> 805  
<211> 229  
<212> DNA  
<213> Homo sapiens

<400> 805  
gcataaaaaa cacaatgvtt taatttctaa agcacttata ttattatggc atgggttttg 60  
vgacagggtta ttatagtcca cataggtaag tatgcagtgc ttctcatgga aaaaatgctt 120  
aggtattggc cttttctctg gaaaccatat ttyccctttt ttaataatca actaagatgt 180  
atatgtaaga crgcctcatc ttttgatttt taatatacaa gatgctttc 229

<210> 806  
<211> 293  
<212> DNA  
<213> Homo sapiens

<400> 806  
gaaacttcat taaggtttta ttcagtgtag caattagtgt cttcaaaaat aaagtaagt 60  
gaagcagaat tactttaatc aactaacaag caataataaa atgaaacaaa atatttgttt 120  
tctgtgtctc atttttttgt tgtatttttt atatttttta tattttgaga caaacttttg 180  
ctcttggtgc ccagactgga gtgcaatgac atgatctcac ctactgcaa tctccgcctc 240  
ctgggtgcaa gcaattctcc tccctcagcc tcccagtag ctgggattac agg 293

<210> 807  
<211> 263  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 807  
aagggttgac ttagtttatt gattacctgg gacctaactc atcctcacat cgccagggtga 60  
attccccaaa actctcatag tgctggttat agtggttagag gaccgggtgt aagggtgggg 120



aacccagatc caggaggggtg ttgtaggcgg tctgctgctc cttcccacta gtgtagccat 180  
tgaagagatt ntatgatttg tctgctatctt cttgagcctt gacatcatcc accacggggc 240  
atggggctctt cacgatcacg tcg 263

<210> 808  
<211> 289  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 808  
ganttggncc nnngtataaa aatgtacagt gggttttattg acatgtacat tccaatatgt 60  
ttacagctgc aagataatga ggcacactca gtattgcact tcattaaaat ttcagggtca 120  
aacttaacct agaagtttaa atgaaattgc atttgtaatt tagtaattct tatacaggac 180  
aaacattgat atgtttatat acagtgtgat acttattaca tttatatgct gtcctaacac 240  
aatgtttttt ttttttttnaa ataacagtct aggggaataa accagaata 289

<210> 809  
<211> 402  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 809  
gagatacaag gttgaataaa atacagaccc tatcatcaag gataattcta gtgacaatta 60  
tatttcacat tatttctgtc aggtcttgat aatattttta tcacaggaac caccatagca 120  
gtccagactc attttattat ttatcatctc tcagtaactg ctccgacagt gggcaacaaa 180  
gggtattgaa tacttatatt tcaaatttta aaattttatga taatttggga gggaggtgaa 240  
aaaaccttac tagggaaaga caaacattca ttattctacg gtgtgtgtga ggctcatgtc 300  
tcttactctt ggcatccggg ggnattaagg tacaggccct cngtgtaggg gngttccctt 360  
naagggaac cacctttaat ggcatttnac cccccggcac at 402

<210> 810  
<211> 460  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 810  
ttaaagacag agtttcgctc ttgttgccca ggctgtagtg caatggcgcg atattggctc 60  
actgcaaccc ctgcctccca ggttcaagtg attctcctgc ctcaccaagt agctgtgatt 120  
acaggtaccc gccaccatgg ccagctaatt ttttctatct ttagtagagc cgggggtttca 180  
ccatgttggc caggctgggc tcgaactcct gatctcaggt gatccacctg tcttggcctc 240  
ccgtgctggg attataggca tgagccacca cgtccggcca aattttactt cttaaaagtg 300  
cttttctctc agtgatatca aggtcttctg tctactatta taaccataag cttctttagg 360  
cattaaggag ggaaaatgtt taataaaaatg taattaaact gggatggaat ggtcagtgtg 420  
tttaaatgta aatatactta aatgtaatta cccgggnggt 460

<210> 811  
<211> 383  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 811

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<210> 812
<211> 616
<212> DNA
<213> Homo sapiens
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<220>
<221> misc feature
<223> n=a,t,q or c
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<400>	812	aatgattgtt	tttttattaa	ataattttct	caaaatactg	aaaataacaa	ataacattca	60
		aaaagcattc	aaagaaaaaca	aaaacatgtc	ctcattttat	ttggaaataa	actcttgttg	120
		taggatagaa	aggaattagt	gtattattgg	caacctatga	gattctgcac	tatttacata	180
		ttgctggtac	ctctatgcaa	actattgcc	aacttctgaa	gcttctgttg	tcattcaact	240
		gctgggggag	ggctgtatgt	gaaagtaacc	cgctattaga	tggtgccttt	aaggatgtaa	300
		gcaccacctt	cctgtctcct	gtttacatac	ttacatact	ttagtggcaa	ggggagattg	360
		agtaaactaa	acctgcgctg	acagactcac	tgttggaatg	agaaggggtg	tcagaatggg	420
		aggcagagga	taacttcctc	tgtaatctca	ctgggtcaga	gcctcagcaa	ccttcactgg	480
		cacacaggac	cagtctccat	ctccctcttc	ccctaagagc	aaactggttg	gggttctgag	540
		accatcgctg	cctggtatga	atgcntggta	caactataat	cctataggta	tccatcagca	600
		ttctttggnc	cccaan					616

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<210> 813
<211> 461
<212> DNA
<213> Homo sapiens
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<220>
<221> misc feature
<223> n=a,t,g or c
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<400>	813	aagaaanacc	cattttttttc	cttaaggact	tactagccaa	aattttcttaa	acttcgagga	60
		ctctactagc	catggccgag	ccattcttgt	cagaatatca	acaccagcct	caaactagca	120
		actgtacagg	tgctgctgct	gtccaggaag	agctgaaccc	tgagcgcccc	ccaggcgnc	180
		cggagcgggt	gcccgaggag	gacagtaggt	ggcaatcgag	agcgttcccc	cagttgggtg	240
		gccgtccggg	gccggacggg	gaagggagcc	tggaatccca	accacctccc	ttgcagaccc	300
		aggcctgtcc	agaatctagc	tgctgagag	agggcgagaa	gggccagaat	ggggacgact	360
		cgtccgctgg	cgcgacttcc	cggcncggca	gaaagtggag	ccgacgcccc	aggccgagct	420
		gcttgnccag	ccttgctcatg	actccgaggg	cagtaagttg	g		461

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<210>      814
<211>      368
<212>      DNA
<213>      Homo sapiens
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<220>
<221> misc feature
<223> n=a,t,q or c
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<400>	814								
nttgcacttg	gggtaatagg	tttattatct	ctatatacaa	gtaagcattt	attgatgttt				60
gtcaaaaaata	agagacaaga	taacaaaaaac	tatttttagca	tgaaaacgag	atagctgcaa				120
tagactaata	ctgagcttaa	agactcctaaa	aagagcacag	aacctgaaat	gacagttttc				180
agqttgtata	qttatccaga	caatgaagtc	aactatacaa	ggcaagcaac	acatgacaat				240



<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 818  
caaaatgaaa aaaaatttat ttctcagtg ttttatccac tgtcaatact gtatTTTTga 60  
tgcaatatat ttgccaaaag aactcagctt ttatTTTcca ttttaaaca ctacaatatt 120  
tacaagctgt tcagaataac actcagacac acacacactc anagacacac gtaagtacat 180  
atgtccttat ctctggTTta tactgaatgc tggtaaaggc catgaatact ttccagagcc 240  
catgatcaga aaaggaaaac ccatttttct ttcttacggt cactttccta gaatcatttt 300  
caatattcct ctttccattt cctcatgcag agtcattgcc agacttgtat aggtttaatc 360  
agtttttaca ttttactttt acttaaacta taagctttta aaaagcataa gcagaca 417

<210> 819  
<211> 444  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 819  
gcaanaata gcagccttct attttaatga attttacaca aaatgatcat cctaattgct 60  
actctctttt caactacagt gcttacagag aatcattaat tttcagatta acaccatttc 120  
aatttttatt cttaggcaac tctattgaca ctttccagtg aaacagtaaa gaacatagag 180  
caaaagcttt aagggtaccat acttttTgtat ggtaaataag tatgaatacc aatctaagcc 240  
tcttaacaat gtgtacaagg ttagtgctca aaccacttca cttagagtaa tattaatttt 300  
acgtgtgata ggcaaatgta tgtggagggt tagggaacaa cttattacca tttatactaa 360  
tgggttcacct tctataaaaa cagtgaagct tgttacatac gcacacttgt ttgctgcaat 420  
gtttgggcaa atgatttaaa gggg 444

<210> 820  
<211> 595  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 820  
gacaaaaata atcttgTTTT tatttttagat tcagatttca ttactgcact caaacgacta 60  
caactgggct tggcgTTatt atacaatcca aactgTTtcc atcagaaacg ctaagactca 120  
gtgtgcaatg attgTTatta ataattagct ccttggtttc ttgatagaaa aaggctatca 180  
acaagcattt gtttatccac aacaaaaagt ataattagct tatccactt agtaaactct 240  
gtatgcatgc caactcatc caaactgcta cttttacaaa aaaaaattgc aataatacag 300  
ttcatttttc cagtcctttt tgcacaaaat ttatttacaa tgtctacata aatgctccaa 360  
ggtgggacta tgaaaaaata cacacatgac cgatgctttg ctcagaaata aagtcaacat 420  
attanaaata aatcttcagt ctatgtttta gagctgctta aaacaggaag tgatgtataa 480  
ggtgggtggg tgtggcatgg gggacaatgg atgcctggat gtgacaatta gggcttctaa 540  
acacacggnc tttgggtttc catgcctcct nctaccagtc tccttaagac cctgc 595

<210> 821  
<211> 341  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 821

taggttttca atacacttta ataaaatagt gaaaaatagg tatctctagg atagtgaact 60  
atgggactac aaagggcagg acgatacatt ttacttgggtg aaattcgctt aacgcttact 120  
ccttttctcaa agcgccaacc aagaatttgg ctactaaata aagaaaaaag ctgttagtggtg 180  
ctctttatcc ngccacgata nggtgctctg aaacccgggtc ctgnaagaca ttcccttggc 240  
ccacatttta tagnttcctt ctcagtctca aggnctgtag tctactgttc acactcgagn 300  
ctctcgcaaa atacacaagc tcaaaagctc atggcntttc t 341

<210> 822  
<211> 405  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 822  
ttttacattg acaggtttat tcttaaagct tgaacaaata catctttaca cacacacaag 60  
ttggtaaaaa gtaagccctt actgctttgt taaaaataaa acccatacat aaagcttttc 120  
ggtcaaattc ccgaaacatg aaacatcac atttctacaa tacatctgct tttttgattc 180  
atgtgtgttt tcaacacaac tcaacaactc attccgatct acccaaaca agagaaaact 240  
aacttccaga ccatgaagga aaaaaaaata catgcctctt ataactgtta aagacaagta 300  
gctatagaat tctngaaaat tctcaataaa tagttactag tataaaaatg cttaactcca 360  
tatagctcac cttaaatcca agggcagtag cagttatcgc cataa 405

<210> 823  
<211> 507  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 823  
tttctattaa tctttattta tatgatgggt ctctggaaag cacttcattt taaaacctgt 60  
ttctgagata agtagcataa ggcgcathtt aagaaatact attgttgatc cacagagaac 120  
ttccatgcct tgaaatcatt tttttcagag tattattaat aagatgggtc agctatgcag 180  
agcaaaaaag aaaaaaaatc ttcaaaagcc aagactgtca ggccatgaa ggtatgcata 240  
aactgtcttc acatttaatt ttgtatgatt cgggagatag ctccatgtac atctaaccag 300  
gtcaggcagc ataagtcctc agtaaccctg ggtgtgccc gcttcaagcc aaagtattct 360  
gttgagtttg gtttgtggag agacatttga aatgttgctt catagcttcc attttctgga 420  
gaagtggaag aaatgaagcg tnaaaaggcc taggaaatcc tcgtcttctc caggetcttc 480  
ttctccttct gcagnttcct cctcctc 507

<210> 824  
<211> 414  
<212> DNA  
<213> Homo sapiens

<400> 824  
gtcccacaag gatttcccag tttaatatgg aaggcagaac acacatacat gaaaggccat 60  
aggaacaaat accaagcaat acgtaacata aaaataaatg tacaatgaag cctcactgct 120  
tcaaatgctg gtaatctaatt ctctaagata aaaaatatgt tccctagttt tgctaaccac 180  
attcattttac gtaagagaac aaaatatttc aaacacttta gaggtattat taatatatac 240  
atatcaaaag caatatatta tttaaacaaat ttcaggcata cctcatttta ttgcacttgc 300  
ctttattgtg ttttgttgac attgtatgtt tttcagatag atggtttgtg gcaacctgtg 360  
ttgagcaagt ctactgggca ccatgttttc ccaacagcat gtgttcactt catg 414

<210> 825  
<211> 440  
<212> DNA  
<213> Homo sapiens

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<400> 825
atatgcccc aacatgatac ttattttattg ataattcata cctgcctat ttctcaaaaa 60
tgacttgaga aaaactgcac aacatagcga caatacacat acagaaatta aaagtgaac 120
aggaatacat agagatataa cacacaaaca tcaaaactatg attagatcag gtaaagtgt 180
gttctgaact gctttgggtg cacagaggca tttaaaaata tagtaaatac tacagatcct 240
tgtcccagca aaattccttc aagcacatac ccagctttgt tcgatcccta ggggtctgca 300
actcctaaac cctcatatgc taaagactcc taggcaggcc atggaccccc agattaagaa 360
ctctaaagta aatgaaagtc agagaaaata tgggatttga ataaaaaat ggaaaaaatt 420
gagttaacaa atagaactgg 440

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<210> 826
<211> 451
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<223> n=a,t,g or c

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<400> 826
attattaaaa actcatatag gatgctttat ttatagatac acagttaact atgtacaaaa 60
taaaaaaaag gaaaaccaat ctactaaaat atattaactc taagaaaatc agatcttatt 120
cctgtttctc catactaggc ataattatct tcaaaactat acaatacga gtttatcagt 180
cttatctgtt tgccataaca tcattatgaa ttttctcttt taaaaatggc aataacaagt 240
gacttatgtt ctaataaaaat ttggatcaca gctagcaaat gaaagactat gagactcaat 300
cacttttaat cattaagttt gtgttagtct ttattaaaaa caaaaaataa ctaaaatttc 360
agacagcgat gtacataata tatatnagaa tatacccaaa aaagtaaatt tctaccaccc 420
ctcgcacagc cggaatttcc atgggggtat t 451

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<210> 827
<211> 437
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<223> n=a,t,g or c

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<400> 827
gagactgcat agggctcggc gtgggtctgga aggaggtagg aaaagaatga aatccattcc 60
cagggacttt ctcagggtgct gatttaagat aaaatgcaaa tgaggtagac acagttccta 120
gcctcaggaa ggacaaagag aaggggcagg tttggataat ctatatgtca gatgacaatt 180
tattcaacga atatttttta aagtaccaac tgctagcaga accctgcact gtcacagca 240
gggtggagcag gtggcagatt tcagagtcac ttgctgtgct gtgacttgga gccaaagccc 300
cgatttccca ctggacagag ataatgaaca cctagtttct tcatccatgt ggactcagca 360
cacagtggta tttggatcac naaattatcc tggtagtata ggcgaggtag aaaccctgtt 420
aaggttgaga aggggca 437

```

```

<210> 828
<211> 463
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<223> n=a,t,g or c

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<400> 828
cgttgtaatt atttattctg ttactggctg cttagtgtga catatttgat gttatttcaa 60
ttgtaatact cttcaaattg gaacactcct tttctgatat tcttagcaaa tccctctttt 120
atTTTTGCCA cttgttataa tatctctaag aagttactcc aggaccgggc agtagggatt 180
actgattcag atgggtccag tgactagaat atgagtagaa agtgtgaggt ctaatttgaa 240
cctgtcagag ttactgttgc ctgcgctggc ccaaagtgca gatttttagt cagcttgtga 300

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taggccaggt gttttgtctg gaccaggagt tatctttgac ttgtagctag aataaggatc 360  
ctgagaagtc aggtatccac ttgatgtcct tttatttgac ttgttaccat tagtactctc 420  
ctgggatcaa ggctgccaac cgaacctata ncccagattt ccc 463

<210> 829  
<211> 355  
<212> DNA  
<213> Homo sapiens

<400> 829  
ccatttcaat ttgtatctgc tctcctatctt tttttttttt gtattttttgt atttttttact 60  
ttccttttatt tgcaataaat ggttgtggat tacttctgga aagcagtaaa tcctaaaatt 120  
gacccatagc catttattcc taagaacata aaaaatgcaa agatctaaaa aattaggaga 180  
caattcaaaa ccaatgatat aatttaaata tgttttgtga agaacagggg tgcattgatct 240  
tgtttttcat atcctctcat ttgtaggcag aatgtgtaaa tcatgtacaa gtgaaatgta 300  
tcttcttttg tatgataaaa ggcaaatgtg cagcttggtt gataaagcag ataga 355

<210> 830  
<211> 466  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 830  
tctccattca attcatattt aatagaccac catctcttct gccttcatca ggaaaaaac 60  
aaaaacataa acaaaatagt atctgcctat gattaatagt atttaattac acgcactttt 120  
gtttgagttt acttccttgc tttctgaaaa aaacatagggt atttagacac tagttcatga 180  
tgataaaaatt aaaatttagt ttacaaaaca aaaattgaaa ctgtcatttg taggaaaaaa 240  
attcaaatttt aaaattgtta tttttcacta ttcttagata gcaagagaag taagaatttc 300  
tttactngng atttatatca caacagaatt ttttccttga caaaggacct tttaaaaatc 360  
ccaggaaagg accacaaaat aatcaaagac tgcacattgt aaataaaacc cttcagctgt 420  
tattgaaaca taagtataat tacacacaag gaaaagggtat tataag 466

<210> 831  
<211> 416  
<212> DNA  
<213> Homo sapiens

<400> 831  
aatgtacatc atatttttta tagaagtgtat tatatcacia agaaaaatcc tgccaaacaa 60  
ctacaaatca agaactctgtg ggcaaaaagc tcaattcata caatgtaaac acattgaaaa 120  
aacaatgca aataaaaaaa agctgttgat acatcacctt gaaaaattaa cacaactaaa 180  
ttaagggcta tagaaaatgt gttcagctta tatatcatat acgtcattta acttgaattt 240  
tacaattttt aaactaatag aattcagatt tattacttga aataatggta taccagctgt 300  
ttcttcataa tggcaagcat attccatata caatacaatt tatttagcat agttttatac 360  
tcttaagtaa aatatgttag tggattaaaa gcataaagga ataaatatgg cccagc 416

<210> 832  
<211> 473  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 832  
cgctctttac tttttattca ctacacacca ggttctttcc acaaagggtt caaggtagtt 60  
acaagaatta ctactgtttg gcgtttgtctg aaagaagtac gtgagaatat tatatgcttt 120  
agaaaccaca gagtcgaagc ctgtcatcgt cctcatagac caatgagtag ccacacgtac 180  
ttgtttggca ttaccaagtg tccgggcaag gccgcagcct gcagctcacc agccgtgctg 240  
ctcggcctgt gcacgtcacc ggctcttccc tagggtagct tttgcttgct ttctcccacg 300

tccatcctct ctctctctgg actcacagcc agccagggtt ctagccttgt cattcctaaa 360  
actactgcct caagccaggc ggggcgcaca caaacttaaa atgctaattc ccacagcggg 420  
gtctggacta atgggtgtcc cccaccgtgg gaatgtatgt gagctaaaga can 473

<210> 833  
<211> 238  
<212> DNA  
<213> Homo sapiens

<400> 833  
caaagaacaa agaagtttat ttctttccta tgcaacaact ccaagggtcaa catttcaggc 60  
catgggtagc tgtgatccag gaggtcattt gggaagccag gctgatagca gttctaccat 120  
cttccagatg agatctccaa ggtcactcta gtcttcacag ttccgcaagg tccgcgggctt 180  
cattcttgaa gtcagtgaga ccaagaaccc accaattccg gacacacacc tggattca 238

<210> 834  
<211> 159  
<212> DNA  
<213> Homo sapiens

<400> 834  
gcaataccac aaattttatta taatacacag ggaaaaacaa actcaaactt tgacaacatc 60  
cacagaatgt tccagtcttt aaaaagtttag cagaaataaa gggtaatgga aagaatataa 120  
tctcgtaatt ttatacttaa ggctgtaaat ggcaaagtc 159

<210> 835  
<211> 183  
<212> DNA  
<213> Homo sapiens

<400> 835  
ttgtctttaa aacagttaag gtttaatagc ttttctacat tacaaaaata aaatacaagg 60  
gcacacagtc tggtttttaga gtaggatttt tgtctttttc ttcccttaag tcaaaatatac 120  
aaagggaaaa accaaaagga aaagataacc atgggttggtt aaagtggatg ccacgtgctc 180  
tct 183

<210> 836  
<211> 432  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 836  
ttttttttta ctcagaaaaa taaattaatg aataagattt cctctattaa agttttttct 60  
tggtttttta aaaagtgact tgcacatata caaccttttc attagtaaaa ttgcttagtt 120  
catgcaatca aattaattat ataagtattt catggcattc tccaagctct actacttgaa 180  
caggtctgac tgaggcatta ctatgcta atgtactctgat cccaaatgat tgtctaccta 240  
aaaatagaac aaatactgta ttttctggaa taaaccaata attcgtatgg ttttaggtac 300  
tggattatac tgatgaccca agtcattaat aaaatgttaa aattatattc aacatcta at 360  
tactgttagg gcaaatttgt aatacaatct aaaagtttct taaantgggt aaaaagggtt 420  
nggtgcttnc gg 432

<210> 837  
<211> 459  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 837  
tttttttttt taaaatgact aatattttatt acacaagtac ttagttacac ttatctgaaa 60  
attataatag gacaattggg gcatgtcaca ttcatattac tatccatata agaacaata 120  
catttagtca actatatcag gataacacac aagggttttg tttgttttag gcttctcagt 180



tgaagaaaa catcgagtta aggnaaaatc aatttccagt gattaagnta ttaacaatat 240  
naaataatta aaaattactt ctnaaatgtc ttacattttg gacaactttg gaattatact 300  
tacatactna atatttccca aaaatgcatt taggttacag ggggtcactg gtcgggggtg 360  
gaaaatatta tttttggaaa ggcctttttt aagggtntgg ttntttattn tggcttttaa 420  
cctcctttnc tttnttcctg ggggccaccg gggcttcgg 459

<210> 838  
<211> 289  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 838  
ttaacaggag acaggggttt tattattact caaatcagcc tccctgaaaa tttggaggct 60  
agggtttttt aaaggtagtt tggcgggcag gggttggagg tagagcaatg tcatttagct 120  
tgctcacttc catctgccag tttggnagct tcttggtcga nagatggcgc cgggcatgct 180  
tggtcaaagtg gtcactctc atgaaccgcc ggtcacacat ggggcacgca aatttcttct 240  
caccctgtgtg ggttcgcctg tgtctggaca gttcancaga acgggcaaa 289

<210> 839  
<211> 399  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 839  
acacgttcag gggcctttat tactgcgggg ggtggggggg ggcgggggtg gttaggggag 60  
gagggagact aagttactaa cagtccagga ggggaaaacg ttctggttct gcggatcggc 120  
ctctgaccca ggatgggctc ctagcaaccg attgcttagt gcattaaaaa gtggagacta 180  
tcttcacga atcttgcttg cagaggttaa gntctgtctt tggctgttag aaaagttcct 240  
gaaggcaaaa ttctcataca ctccctaaaa tatttntgcg aagagtaaaa cgttcagcaa 300  
acacattnat ttggaagttc cagtagttaa tgcttgggca ntttttttgc aagggtgagg 360  
tttgtctaaa ggccccaanca gggcacaatt atctcccng 399

<210> 840  
<211> 423  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 840  
tgaatattca agaaagggtga agtttaattt gcatataggc ataacctaca cctcacttgg 60  
caagtgttag gccacagcac aaaccctct gtccaatcac aaatgtccac aaatttgcaa 120  
agtaactgga cacgaacgat atgcttctca aactcacaca catattcgtc catcacacac 180  
acactcaaag gataaagaan tacattgaaa tcctctacaa aagagatctg aggacagtan 240  
tcagatgacc tcatgtgcgg acagcctntt gcagtttaca gtctaatacca tttggtcctc 300  
acantagccc tgtgaggata agcagcacag ggattactnt tcacaccggt ttgcaggatg 360  
agggaaactg aggctcaggg gatgtgtaaa caccagccta aggttttcca gttgggagac 420  
tg 423

<210> 841  
<211> 440  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature

<223> n=a,t,g or c

<400> 841  
 ttttacnnnn ctttggattt tttattaagt tctgcaataa ataatagggt tataagttca 60  
 ccctgttggt ganctcatca gtggtcgcca agtaagaggg tgaatcactc atcccaagag 120  
 actctgctac ctcttagctc tggagggtaa aaagcaaggg ccagagcaaa tacattgggg 180  
 agagggggag aaaaaaaaaa tcaggctatt ttaatagccc tcacatgcca agtgcttttg 240  
 attcatcatg tttagttttc ataagcttgt gaggtagata atattatccc cattttatag 300  
 atgaggggaat ttaggctcca atggggntaa ataacttgta caagnacaca tactggaatg 360  
 actgccatga gggaggggaat gtgaattttg ggtcacgggg ccaacaccct acactcttcc 420  
 taccntgcc acactgggca 440

<210> 842  
 <211> 211  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 842  
 tttgtcaaga gccaaagacac aggtaatgca cgacattgat tgctgcattt tacottcaaa 60  
 atatttgtcc ttattgactg ggtctcctta attaatgtac acatgtcatt agaatgcaga 120  
 cggaggggac tcaccatgaa tatctggggt tgattcccag atgtgtgttg cttctctatt 180  
 gcaagcagat tcccttgtcc ggatttactt c 211

<210> 843  
 <211> 510  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 843  
 tttttttgtg tgggtaccttt tatttagtca gtcttcattt aaatgtgtgc ttttgaaatc 60  
 actaaatatg accttttcag aattcaattc tcacagtatt tacagtgaac tttgtgcaaa 120  
 caaatcccc tttgtgcaaa gggggagctt cctgtcccn ttggcacatt aataacttac 180  
 aaattcagat cacaacaaaa cccagactc tagttttctg tttgaaagggt actgagctgg 240  
 gataatgggt tgctaggaaa gagctaagtc aagcccaaag gaaataaaat gttttcttta 300  
 tcagaaaaga ataataacaa ggctcactc tccaaaggaa aacagacgtc ccaagatgtt 360  
 gtggaacagt aattaagtaa ccaaatacaa ttccaatggn ttatttcacc ttcatttntt 420  
 atacttacnc tcatctcttt taattaaata agcgaaacca ggaaagtgc nttcgaaggg 480  
 actctgaact gtcaggggaa cgttntaaaa 510

<210> 844  
 <211> 402  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 844  
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 gnaggaggcg gcagaaccag aacctggacg cagganaagg acggggggca cgagatgggc 120  
 acaggacgcc tcccaatcaa ggctgctctg tgggtttcag aaacgggaca cccatccctt 180  
 caggcatcca tagcgtgtga actgtaggac tacagggtgc aggtcacccc agagctcagc 240  
 atccaaacca gtggggcaca gcttcggcct cccacctgcc caggctcacc agagacactg 300  
 gctntgggca gagatgacct ggagccagga tccaggaact gttgcgcacg ggggtaagag 360  
 gccgggcccc nccgcattgc catcgttgggt tgangctttt gc 402





tctgcagtga tgtctgcagt gacgaacgcc cgggggtggtg agctctcgac tttagagaga 420  
gaattgcatc c 431

<210> 852  
<211> 363  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 852  
tttgtcattt catttagttt attagacaaa aatatatgat ttagacaagt tcgctgacgc 60  
gctatttaca atctgaaacc actctatata cagaaaaggg gggaaagaga cacaagcacg 120  
tgggggcatt taccgaaccc gataatcgca gccactggag ccgccggaga ggctgggcca 180  
cctggacgcg agctcgggac cgaagaagcc cctttctgca gaaagcgacg gatgcgagtc 240  
cttgacgtcg ttgtcatatt tgtcctttac accagtntga aatatttgnt cttaaantcc 300  
cctcgnngcc gaattctttg ggctccgagg ggcnaaaatt tncccatag tggagttcgg 360  
tat 363

<210> 853  
<211> 418  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 853  
tgcaagacag aagcaagtgt ctaattatag caatttgagt tgagggtttc ttttttaaag 60  
gtcaacagaa gccaaccttg gtcacacagg tagtgaggga aggatatgtt gtgggcggcc 120  
cacaggcaac nattgttttc ctgacagaaa aaaaaaaaaa agcgccatca gtaccgcctg 180  
taggggggcat ggtggggggac agacacggca gaacgctgga ctcttgcttc agatnnggcg 240  
accacaagca cacggcactc tgcacaggtg ccagtccacc accagggcca gcctttgagc 300  
acaccctggg tgcctcagac tccggcagaa ccacatttcc atcgacacacc caccatttag 360  
gggccaccag tcgagaagca agctgggcac caggcagctg ctttgacatc cagagaaa 418

<210> 854  
<211> 355  
<212> DNA  
<213> Homo sapiens

<400> 854  
cttattgggt aaaggcaatt tattttgaaa tgttgctttg gttgtttgct ttctggaaac 60  
atattggaac acttgttttt cataagctgt cctgacagtg gcacaatccc atccatcttc 120  
aggcctttta ataaggtcat tatgaaatct gaatttctat taatactctg gtgcattcat 180  
ttcatctgca aaagcaactg gcacaaccac tccttgccgg tgcagctctc ggagaacatc 240  
taatattgag tctagtcttg tgcggaactt ctccagctca cgattcttta actgtgccag 300  
tcttttccat ttttcaactt ctttgttttg ctacgtttct actacttggt gtggtt 355

<210> 855  
<211> 434  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 855  
gcttggtcga aggtagaaaa gttaaaattc ccttttctta gataaactga ttatttaaaa 60  
ctgaaaatta acgttttgac aactcaagag tgtctgacat cgctgggatc ctggagtgtc 120  
gagtgtggcc tcgatgggtg cttcactcct ccacatctgg gaggcacttc agtctcangn 180  
aatcaccccc tttttttaaa agagaatgga ggcagctact ggaggccaag cacctccagg 240

cactcaaggc	cctggggaca	gcgtactga	ctccactgcc	tcagggaggc	acggtgctgc	300
tctaccactt	cctctgggct	ttgtaccttt	aattgtgtct	actctgccta	agtgcctaaa	360
taaagcattc	cattaagcaa	aatacacatg	gagcggatta	cacactggac	tgcagaactc	420
agatgtatgg	gatg					434

<210> 856  
 <211> 429  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 856	tttcttgtaa	caaggcattt	atgtgggatg	aggaaaggaa	attgagcaga	aggaaaactg	60
	tagtgtgact	tttcagttac	cttttcaaag	attcaactaa	atatctgcta	tttttaactt	120
	gagttccttt	tattacttct	ttttaaaaaag	tggccctggt	gacacttggt	acctcaataa	180
	aagagatatt	ttaatgttaa	aatgtcttaa	attaatgttg	aaaataaaaag	tattttttct	240
	catcccacct	aaagaaggag	ggattttctt	tagcttcttc	ttgatcttga	cagcattgct	300
	gctgcatccg	tgactctgga	ttcagtgctca	gtgatacagt	aggtgaccgg	tggacttgag	360
	ctggggggct	aggttatagc	atggccaatg	gtaaatagggt	taatttggtc	cccgtgggtt	420
	ggacnacct						429

<210> 857  
 <211> 233  
 <212> DNA  
 <213> Homo sapiens

<400> 857	taaacacagt	tcatttttag	tttgtcgtgg	caatacatgg	aaaaaaatca	ggccactact	60
	aagcatctat	agagtgtatc	tttggcaaaa	atgtggacct	gcaacaattc	agatgggttt	120
	ctttcaatta	ggttcaaaaa	tcattggctct	gtaaatattcc	aaaactttta	aagtcttctc	180
	atgtcttctt	ataatcgggc	attcagaggt	acgtgttggt	tctaatagct	ttg	233

<210> 858  
 <211> 403  
 <212> DNA  
 <213> Homo sapiens

<400> 858	aatattaaac	caatacttaa	gttcctttac	tcattgttga	gacagactat	tagtgtaggt	60
	gtactttcat	ttatatgttg	taccaataga	ggttaaaagt	atgaccctat	cggtaatctt	120
	tttaagcaaa	taaaactgtt	tggatgcttt	cccaggacga	ttggattgcc	ctccaggcgt	180
	atctcttcaa	tgcggtcccg	gatgtaactg	gtgtcattag	ccttgcagaa	tgtgtcatct	240
	gtaattgaag	ctatgttggt	gaactgaaga	tgaattacac	gtagactttc	tggtaaatta	300
	agaggcacgg	attccagggc	attatgggtc	caagtacgag	gaagggtgagg	ttattcagtt	360
	ttttgaatgc	atttgctttg	attcccctac	tcttgatttt	ggt		403

<210> 859  
 <211> 382  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 859	aaaacaaacg	catatgacat	tttacttaac	agactggcaa	aaatgaaaaa	agaaacataa	60
	tatcctgagc	tggcaggagc	acaaggaaat	gggtctcgtg	ctgatgatga	atgtgaattg	120
	ataacagttt	ttttgtgatt	tgcgatacac	naaaattgaa	aacagcacaa	atgtacgtta	180
	ctctgggctc	gctaaatagg	cactaaataa	aacgagtcag	tttcttctcc	cgagcaagta	240
	aactagaggg	tagatccacg	cgaccgggag	tctaggacac	atcctcggga	gtgaacagcc	300
	acaattcaca	gacgatgtgt	gcagccgggg	catngaaagg	cccaaggcaa	acacaccacg	360

aggtaaacgc cgggactctg ag

382

<210> 860  
<211> 410  
<212> DNA  
<213> Homo sapiens

<400> 860  
aaaaaaaaaa caatatttag tctttctggg atatcagctt ctgcctaaat tgtgagaggt 60  
ggtgtttcaa aagacacacg caccagtggc cccggggaga gctgcattcc aggttcctgt 120  
cctacgtagg cccctacggg tagctgggga caccagtctc ctccactcac ttggcaggag 180  
tcaggactgt ccacctcttc aactggcaca aggcccaagc agcatggggg ccctgagtga 240  
aatggagggt cccacactgc ttccaggaca ggactgtcgg gggctctcct cacccttgac 300  
tggccacag cagcaggctg ctctggcgt ttggcagcag tctgatggg gctgcagcag 360  
ctggtgagtg gagtcgtcgg gcagtgtgta taagaaagag ccctcgtccg 410

<210> 861  
<211> 315  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 861  
tttttttttt gacccaagc acagctttat tgacacccca gccaacacca acactctttc 60  
caaccagcgg tgagggggccc atggngttn gctngaagg tggattgagg gcctcggttt 120  
tttgttgagt gatgacagct ccatgttcct tccagttggc cctgcagccc ctctatcccc 180  
cagctttagc cgctactccc agtggggcag gaggagcttc catttgccat ctggagaccc 240  
tggcagggac ttgcccatcc gatccanaca ccagcagggg acctcggggc ctgcccctgg 300  
ggatganggg gcant 315

<210> 862  
<211> 434  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 862  
gctcttgtgt acattttatt atcattatta gtaataaacc aataaaaact gaataacaaa 60  
ggaaaaagct caagataaat aatttcttcc ttgtgaattc aaacacatgc acacacacac 120  
atcctcctct gtgtgtgtta ctctctctc acattctgtc ctacggtaca aatagttaca 180  
caaaagtcta caaacgcga gtagcagacc ccagctgtgt taagctcagg ctgattctca 240  
gtctagatca ccagcttctc cacgctaagt gtacttgtgg ttctatctc ttcatattgac 300  
ccaaaatatc ctgggagggtc cagcatcctc tgctcagcct cagtgaggcc aaacgacgta 360  
ttgtcataga aggcaaactc agggtgagtg gggaagcttg acacttgtct tttctacacn 420  
ggttggctctc tttg 434

<210> 863  
<211> 413  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 863  
gancatttta ggaaaccttt tattgcaaat gccattctgc atattgattt ttgacagaaa 60  
gtatcagaaa tgcttctttc ctgggaaaag gaatataaat gacagcaaga cacattttag 120  
ttgctactaa agaacagcat tattttcaat cattttaagt cgctcattta aanangcaag 180  
ggtntaaaaa cgggttttaa ggtgggagcc tgcaaaaggg taattaatta aaaaagtgtt 240

```
tctctccccgg gaaacagcac tgtttgggtct gnatcaaagt ccgaagctgg gaatctgatt 300
ctgggggtgcc gtctcttcgc tactgggagt tgctgaccag caggctgcc attcacgaaa 360
agaggttggc aaggccaggc ccccaggtn gctgggggat ttctgggctg ggc 413
```

```
<210> 864
<211> 274
<212> DNA
<213> Homo sapiens
```

```
<400> 864
tttttttttt tttttttttt tttgcactag aataagtaat ttattagtaa gcacaatgac 60
atcttttagg agaggttagga cagggtccca aataagcagt tctgtctttt cagtgttgga 120
gccatcagac tcattgggac taggtttaaa ctggacatatt tgagaatgat gaaaatcctc 180
caggctctgc aggaaaaaca tttcactact tcatagtaga tgatacctga caccacctgc 240
taaagagcta agatgacatt ccctaagtgc ctac 274
```

```
<210> 865
<211> 501
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 865
tttctctctc tttggtacag aatatagaat cctgacctcc caagaaagtt aatttactca 60
gtcagtaaat ctggagatct ctgcatgtag catttttatt ttacatattt atttattagg 120
ccccttctgg ttccaaacag gatttggcac actgtntttg attttccgct tctttccaac 180
tctgcaggaa acaacaaaag cccactaag acctcaaaag gagaaatcct cttgaccag 240
tttcacgaat ttttcgacac tgtcgtttat tgaaggccat cttgtggcaa cccagtgctc 300
catgggggag gagcatacc agagaagagt gtaaaaacaa ctccatctgt tacaggacag 360
gggtcccaat ccagactcca agagaggggt cttggatctc gcgcaagaaa agaattcagg 420
acaaatctgc agtgcaaagt gaaagccagt ttctaagaaa gtaaaggant ggagaacagc 480
tctccatgac agggcgggcc g 501
```

```
<210> 866
<211> 289
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 866
ntttttaagg agctttctgc atccacttta tttagccaga gagggaaggg gttgacataa 60
acgaaaaagt ggatcaaata gtcaagaaca tgatgggctc ggcaatgaac tgaaccactt 120
ttgctaagt acagaaaaat attctaatat taaggattat tttacaactc natggaagta 180
atgcngtgat gcattcttga tctgttttgt cttgatgaca aaacgcactc ttagagtcac 240
aagatcctgc cttgtgttag ttataaacia aaatatattt atatatata 289
```

```
<210> 867
<211> 512
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 867
tttaaaagta tcaaataatt ttattatgaa agataagcca tttattgacc attcactttt 60
ctaaaaaac acaaatgtga gaataaaata aacataccta agactnactg gccctccag 120
gacaggaagc agccctggac angagagcct gcaaacggag ttnccttatg nnnaatgtct 180
gaacttctca tacattctag gatttcatgt ttcgttacia aggaaaggaa actggctaga 240
```



agattcatgt	acaagaaggt	cacaacttta	aagctatctg	acgctaata	cttgtacaat	300
ctggtttgca	aactctgaga	gacagtatca	aataagcact	gttcaaagac	tactcccagc	360
taatccttta	ctgtcatttt	ctctttgaaa	ttgtctttgg	gactggntat	gtntctcactg	420
tagcttccgt	ttatcccaca	gccccaaanc	cctanagtcc	catggtgcag	tctccatggt	480
caaggtataa	aagtctgttt	tcaggacaa	gg			512

```

<210> 868
<211> 463
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

```

<400> 868	aaagtataaa	gtgttttggg	aaaaaaggaa	aaaaatctat	ataaaaatct	cttcacatat	60
	aaaatcctga	agaaggtgca	aggtgagacc	cagtgcgagg	ggcgtgctca	gatatgcagt	120
	gtgtgtgtgt	gtgtgtgtgt	gtgtgtatcc	gtgtgtacat	gtgtgcacgt	gtgtcgtatg	180
	tgtctgtgtg	tctgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	tgtgtggtgg	gtgcaagtgc	240
	acgtgtggcc	cacagagggg	ggggagaaa	cttggtcttt	tacttccatc	caggagggaa	300
	ggagggcgcc	tggctcctca	gccttgagg	gtctgcagct	gggcgggacc	tctactcagc	360
	caggctgttg	cgcctcgact	ccttctcctg	gagggcgccc	atggcaagac	gcagggtgctc	420
	cttcagctgc	tcgatctccc	gtcagaccg	tgtctngatg	tga		463

```

<210> 869
<211> 437
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

```

<400> 869	tttttttttt	tttttttttt	acaatctgga	atatataatt	ttnattagtt	ctcagcagtg	60
	cagtaaatga	acaacactta	ttaataatta	atttgggaga	gaatagcagg	aggaaaaata	120
	taaacagtag	ctttttgtga	ccatttttta	gtagctgaca	tctcagtatg	tttctggaat	180
	gaacaaatta	agggtgtatt	gtatatagtg	atttaaataa	tcagctttct	tatagtctta	240
	tcaactgaga	ttataaaatt	gtaaacacaa	tttttccatg	tttacatcta	ctagctttca	300
	tttggaacac	ttaaaccata	cttttccatt	atgtagttaa	ttcatttctt	gagtgcctgc	360
	ctgccattag	atgccagggt	cttatcta	tttccagtta	gttactgttc	agcttaagtc	420
	actctacttg	gttggttn					437

```

<210> 870
<211> 434
<212> DNA
<213> Homo sapiens

```

<400> 870	atatagaaat	aactttaatt	aaaaaactta	catagaagat	tataatatca	gacgtgacaa	60
	agatttgagt	ttatttgcct	ggacaacttg	ggtttgtctg	gcttttgttt	tctttttctt	120
	taaaaaataa	tgtacagtaa	aactacaagc	aaaagtttgt	cagtattgaa	ttgaattttt	180
	taccctttaa	aaggactagt	ataatttcca	atctctaaca	aaaacttagt	gtcaaatctc	240
	acagataagg	ccaaatggca	gatattttca	gttatgtggg	tagtacaact	tgagtaacct	300
	tttttacatg	acaaaaagtg	agttatataa	attgtcctca	actttcacat	aggaaaaaaa	360
	tggtttaata	gcttcaaaag	gaattttctt	tcatgtatac	tcttcagtat	ccaatattga	420
	agctttgttc	tttg					434

```

<210> 871
<211> 350
<212> DNA
<213> Homo sapiens

```



```

<400> 875
ctaaatgctt taattttttg tcacaaatat ttctgcatct ctcagtcctt tcttggttga 60
aaaaggaggg ctagtgatac atttgtaaat ggcactttta aaangtgctt tggatatatag 120
aggnaacaat gtacttcnna ggnatgttaa taataaatta aggttataat ggttgccata 180
tcngagngaa tgnataagat tagtctcagc aaaaacaaaa attagtttgg aagtagata 239

```

```

<210> 876
<211> 407
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> n=a,t,g or c

```

```

<400> 876
ttgtgcaaag gaatgcatgg gtagcactat cttatgacct gggctgtctg acggctggct 60
ggcaaagtca agtatctcct ggcagaagtg cttgcgctcc tcttcagtga ggtgggtggc 120
actggctaag aggctgctgg tctgcaggta gttttnaatt tgtccaagggt gcttttaaca 180
ttcggccagc tgcttccttg tgtgtgtnat ggggagtgcc cagccctcag ccaggtagtt 240
tttcagtgtc ccttgaagat agatttctgc cttttgttga gcctttttcc tcatgtaaaa 300
ctctgccaga tcttttccaa caaacttagc agatcgaatc ctccaatgc ttgtatacat 360
ttcaatgggtg gcatgggaca aatctaagta gtgtttttca aaagctt 407

```

```

<210> 877
<211> 384
<212> DNA
<213> Homo sapiens

```

```

<400> 877
tttttttttt gtactcttta aatgtacttt taatgtattt taaagaaatt ttaaatgaga 60
tatttaataa tacaagtatt tgagagcaat aaaaaagaa agtccatata aggaagatga 120
acttagagag agctaccaga gcaggtaaatt ttccagcatt cttccatcat tgttgagaga 180
tggttatcaa agccagtggg gttctgttct ccttggcagg tagatcccca aggtggggta 240
gctcaatgca attagctggg aagatcacgg gactcactct tccagggatg actccgtgca 300
cattaggaaa cctgacattg gtttgccttc caatgtcgct ctttgctgtg ggggcaatgc 360
cctgggcaca catattatca gaac 384

```

```

<210> 878
<211> 223
<212> DNA
<213> Homo sapiens

```

```

<400> 878
atggctcaat gttaattttt taatatactt gcaaatacat tataataaaa taatacaacc 60
aaatcaaaaa gcagccactt aaaaactgaa attcacaaaa tgagctgttc ttggctacat 120
acagaaggcc aacatttaaa ctgaatgata attaaacgtt tactaccata ggtaatatatt 180
acgcatttct gggccaata gaaggtgttg aatcaatgtg atc 223

```

```

<210> 879
<211> 541
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> n=a,t,g or c

```

```

<400> 879
tttagccgct caaagaaaat ttattggcac tcggtaaaga caatgccaca aaatgccatt 60
gaaacagata tctgaaagca caaggtgctg atgtagccac tagatgaatc tgttcggtag 120
cagttgagcc cgggtgaatta aggagtttac agctgttatt tatgtggctc atgatgctta 180
ttgagcaatc tgcaaaaata gatttcctgt ctcacacagg acagggtaga tttccagcaa 240
gcataatcaa aatctccaag tcttttggtc aaattagagc tgccaccatg cacgaggttt 300
tacttaaagg tgtttactga tgaataaaact cacacttctg tgaactgggt cttgcttctt 360

```

gtgcagctaa	ctctttccac	ctctctttgt	tctgctgaat	gatgtccacc	aggttggtct	420
tgaactctt	caggtccact	gctgcaaggg	agtagtctgg	ggaataggna	ccatcactca	480
tggaggcctt	tgtatttgat	cgtctaagtg	catcagccat	gtggtacccc	acaatgtggg	540
t						541

<210> 880  
 <211> 414  
 <212> DNA  
 <213> Homo sapiens

<400> 880						
tggggtaaa	tttaaatgga	aagccgtgga	aacgttgagt	tcacaaacag	gacttcccgt	60
gcaactgtcc	agccagacct	ggggcagctc	ctggggagccc	tgcccccttc	acacacacccc	120
atcccatcca	tgggtgcctga	gaggccttca	tcttcagttc	cctccaccag	atcagttggg	180
catgttgggg	gcagagatgg	agggttgttg	aatcacacta	ggctctgtaa	gctgagaaga	240
cgatcctgca	caggggtggcg	taacagtctc	ctcctgccag	ggcacctgca	gggcgagaag	300
tcacatgcc	gactgaggca	tgcttgcgaa	cactagcctg	gccccagcag	caggggggtgc	360
tggaggagct	gcagcttttc	cccatcttgc	tgaattattg	atgggcctgg	cact	414

<210> 881  
 <211> 445  
 <212> DNA  
 <213> Homo sapiens

<400> 881						
tttcaatgca	tgaatatttg	attttatttc	aaaagacaat	tattttataac	actgaccctc	60
tatcaaaaag	aatatgcttt	tctgatgggg	aagtgcacaaa	aaaaaaaaaac	tacacagaac	120
aagagtaata	aagttctcaa	gtaaggattg	cactccaata	ggaattgagt	gattctctca	180
gagagcactc	attacatctt	agacaacgtc	actcttcttt	cctcttggcc	atatgttcag	240
gtctcatagt	ctttctgaac	acagaatggc	agtggccagc	attgtccatt	atctatgttc	300
cgcttgttta	ctaattaaaa	agctttggtc	ttcagtgttg	taaacgcaat	ttctgccttc	360
gatatacaaa	ggtgagtga	tgagacaaga	ttagttgaag	gaagtacttg	atattttact	420
ccagatagct	gaatgaaaat	gggta				445

<210> 882  
 <211> 263  
 <212> DNA  
 <213> Homo sapiens

<400> 882						
aattttttaa	agttgtcata	atgcaaattt	tattttgatt	agtttttgtg	actcctttat	60
cttaaacc	gcgatgcttg	ccacttccca	aggtgtaaaa	atgtgaagat	taaggtaa	120
tgaatgtcga	ggagtgtaaa	gagatggcaa	aacacagata	aaaacatcca	aaaagcctct	180
tggggcaggt	caagcttatg	attcaacagt	tagaaaacca	aaattacttg	gacatcccc	240
tctacttaaa	gtgatatact	gga				263

<210> 883  
 <211> 305  
 <212> DNA  
 <213> Homo sapiens

<400> 883						
tttttttttt	ttaagtcata	ttcataaatt	ttattcattt	ttaggaaagg	acatatctaa	60
aattactaat	cagagaattc	accctatagt	cctcatacaa	aagctggatt	ttgtcaagga	120
gaaaaagact	ctttcttgaa	aaagattaca	gaattctttg	tcctaaaaat	gtagcacctc	180
atacatagaa	tgtatagcat	aaaataatgt	ggctttcaac	acatgatcat	tcataatttg	240
tgaagtgtct	tccttatgca	tacatgaaaa	gtccatattt	tgagtattag	ttaaataaaa	300
acttg						305

<210> 884  
 <211> 361  
 <212> DNA  
 <213> Homo sapiens

<400> 884

tttggggtag	tatattaact	ttattttgaa	ttattatata	acatggaata	tgtcatcaaa	60
gaatgaatta	atgaaaaacg	tttgtagttc	agttaagcag	atgatttgca	taggaattgc	120
tagttttaag	tcttaggatg	cggacgtaac	tgaattgtca	attagattaa	catagaataa	180
tcatttacat	gtgtgcaaac	taaaatgcaa	ttttgaaaat	aacacacctt	tccgtacagt	240
ctttggtagg	tgatgattca	ttttccctgc	tatgggtaat	ctcatctaga	tcaaattgtga	300
tccttctaag	ctagacacct	cttccctaca	gtaagaaggc	ctccatattg	ttcaagctac	360
t						361

```
<210> 885
<211> 501
<212> DNA
<213> Homo sapiens
```

<400>	885	tcacccctcag	tgcaaaactcg	ctggcacaga	gatgttcaat	gatggcctca	gatttcaact	60
		cgttgtcaca	gggaggacac	accgttgtgc	cttggggctt	ggaggcttcg	gtggcattgg	120
		gcggcgtcat	ggcgatgcag	acgtccccct	cgggagactt	gtcacactta	agcatctcgg	180
		gccagtagaa	gccgaagaac	tgcattgaccg	gtctcgacga	gtctcgcgacg	gcctcgcgaga	240
		ccagcgacac	gggtagatgg	gccgggtccag	gcagacggggc	gcgaagagcg	agcagaggaa	300
		gacctgggtg	ccggcgtggc	agttcttggt	gagcagggggc	acccagctgc	tggcctgctg	360
		cttcacctcc	gccatggtct	cgtgctccag	caggttgggc	agcaccatct	tcttgtagcc	420
		cacgttgtgg	cacagccgca	ggtccgcggg	gatgttcacg	cactgagggtg	gcttggtgta	480
		gaagcgcgccg	ctctggtacg	g				501

```
<210>      886
<211>      242
<212>      DNA
<213>      Homo sapiens
```

<400>	886						
ttttttttaac	tttttagcagt	gtttatTTTT	gttaaaagaa	accaattgaa	ttgaagggtca		60
agacaccttc	tgattgcaca	gattaaacaa	gaaagtatta	cttattttcaa	ctttacaaag		120
catcttattg	atttaaaaaag	atccatacta	ttgataaagt	tcaccatgaa	catatatgta		180
ataaggagac	taaaatattc	atgttacata	tctacaacat	gtatttcata	tttctaataca		240
ac							242

```
<210>      887
<211>      472
<212>      DNA
<213>      Homo sapiens
```

<400>	887						
tttttttttt	tgaaggactt	aaaataccca	gactttaatt	cctctaagat	tatagtcatt		60
aatcatgctt	ttatatcata	ttatctctta	acattatatc	atattatctc	ttaacattta		120
attttctaaat	ataatgttca	tgaggaaaag	agaaaatagc	ttggcttctc	tcttcactga		180
atggttcttc	ttagtatctt	ctagatgttc	cagaactgat	gtcagatttg	gctcgtcaga		240
gtccacaaaa	catattggtg	agaaagatga	agaggattcc	tgccgccttg	actgtacaat		300
gagcccttcc	agaacacagc	agcgccggcc	aggccccggg	gagagggatc	gctcaaacag		360
caccagaggc	tgcattccaa	cttttctctc	gtcaacgagg	cggttttcat	tgttagtttc		420
tccttaaaca	caaacttaaa	aacaactggc	ttaaatctac	tatcgcatct	tg		472

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<210>      888
<211>      566
<212>      DNA
<213>      Homo sapiens
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<400>	888								
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gcacgttagc	acacacctgt	ggttcagct	actcaggaag	ctgaggcagg	aggattgctt				120
gagcccagga	gtttgagacc	agcctgggca	acatagtga	accctgtctc	taaggggtgaa				180
aagaaagaaa	gaaagaaggc	aaaatattag	cacagattca	ttgtagagaa	aatgtttatgt				240
atcctcacag	actggagcca	catacaaaga	gataagtagc	cttctttccc	atgcttccag				300

```

ataaccagga tgcattctaag gtaagagggt ggaggaaaga agacacattg ctctgattcc 360
aagggttagag ggaataatga ccagatttca accctaagat agaaccctaaa tacttgggag 420
gcttgtgggt ctttcttctt aatgggtgat aacacagtgt ccctacagag aggtcatctg 480
aaactcagag gcaaataact catcaggggc agcaacactg gcaacctaac ttagaagccc 540
cgtgtggccc ctttttttatt tggagt 566

```

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<210> 889
<211> 320
<212> DNA
<213> Homo sapiens

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<400> 889
tttgttgatc aacaaaattt gttgaaaagt gtagcatcat actcaaatac agcagtacat 60
actagggaag tttctgtaat gttggctctc cttgtttctc ccctaccttc cccctaaaa 120
caaccttagt aataaaaaaaa aaataacacc tagcacagt gcaaatacat tcctgttttt 180
taaaaagcca gaatatacgt gtgtgtgtgt tatatatata gttttaaaat gtgcctata 240
aatttttttag tttttccctt ggtcttttgc aaaagaaaac aaatcctcaa atatacttag 300
agctacatca taaaaatgat 320

```

```

<210> 890
<211> 318
<212> DNA
<213> Homo sapiens

```

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<400> 890
ttttttctga aatcattctt ttatttttga cacacatagc tgctatttac tgaacactgg 60
aaattcatga atgcgttaca tatttaaact ttcatagaag gctcagatca acaaagcaaa 120
acttctacag ataataagta gttgtgtatg cttgtcactc ttggggcccat cagcacctgt 180
tcctatcat attgctgaac tctgcaaact ccagaaagga aggtttcttt tccaaacttc 240
agagaagctg cagatcaaga atttgggccg ttgcatctga ttagaaactc tcttcttcca 300
gtgtgagaac gttggatt 318

```

```

<210> 891
<211> 451
<212> DNA
<213> Homo sapiens

```

```

<400> 891
tgaatgatgt gcaacattta atagtcacaa agcattttgct ttcagtacag ataatgaaat 60
acagtagtgt gaggttttgt tgttttttaa caatgaattg tgctgggcat ttatgtatag 120
agggttatt attttcttct gtattttctca tattcacagt tgtaataag ttttctgagg 180
tgtcccaaag atgcaaaagc agaaattttt gaacacgtat tttgagaatt tctgaaactc 240
acataggtac attccacagg gaatatacag aaattttgct tgattgagta tagagttggt 300
aaaaatttct accacaatta ggtttacaca ggaaaatgta aaaaattact attttaaaag 360
gtaacacagt attaatgaag atgtataact atagattggt tctagcttca gaagaggtcc 420
tttcaatctg tattaaaatg ttgtgttttc t 451

```

```

<210> 892
<211> 405
<212> DNA
<213> Homo sapiens

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```

<400> 892
tttttttaaa aaaagtgttt tcccccttat tacagaactg atacatatac attattgaac 60
attaaaaaat acaaagaaga cattttaaga atgcaattac caaacatttt cccatccaaa 120
gataatcact tagttttttg gtgtatcctt ctccccgcca cccaactctt agtttgcaaa 180
atttcaaacc cacagcaaag ccacattgat agtacaatga acatctgtcg accagtcacc 240
tagagtcacc aagtgttgct attttactac atttgacttg tctctttctt tctttatatt 300
catatgtttt atatttttcc acttagtcac tggaaattca gtggcagaca ctgtggtaat 360
taatattctaa aaacttcagt atgtttgcta agaacagaat gttct 405

```

```

<210> 893

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```

<211> 182
<212> DNA
<213> Homo sapiens

<400> 893
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aaaatcaata ctccctctct ttttcctggg ttccattggc atggaataac tctttccaac 120
tctttacttt cagcctatgt gtgtctttat agtttaagtg tgtttcttgt aggcaacaga 180
tc                                                                182

<210> 894
<211> 481
<212> DNA
<213> Homo sapiens

<400> 894
tttgcttttc tccttcctgt gcatttaatc aatgaaaaca gaggttcaga atgatatgct      60
aatagtggga ggaaccacag caatggaatc aaacaatcag ttcaaactct ggctctgccc 120
tagtagctgt tctctgtaaa ttggagttaa taaatcccta tgagaagtgg ctggtatata 180
acgggtgctc aataaatggt agtactcttc ctcatgagca tctcagagga taagaggtgg 240
acaactgcag cctagattga aaacctgagt tatggagaaa gagttaaaat gacttaatac 300
tgtttatata gggccataaa aacaccatct gctagctcta gctagttaag ttattacaaa 360
gctgacatgc actaatgctg cactgatagg aaaggaatgg ccaaggtttt gctgtttcta 420
tcattattcg acgagctgcc atgtcggggac cagtcgccag ttttaacccat cacataacct 480
g                                                                481

<210> 895
<211> 335
<212> DNA
<213> Homo sapiens

<400> 895
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taaaagaaat aaatcttcat tttcacatth tttgttgcag tccaaaggta actagttggt 120
tagtggctat gtccacttgg acacatgcta caggagggca gcattcacat ggaagcactc 180
agaaatacgg catctgtcag ggctcacggc actgggctgc tgaatgcact gtcgtttgta 240
aataacagca agtggagact ttaaaacatc atggatagat aagagttata aatagaaaac 300
tggtacggtt aagaagcaga agatcgtaa ataca                                335

<210> 896
<211> 406
<212> DNA
<213> Homo sapiens

<400> 896
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ccattattca gggctggtat taataaaaagt tagcttttat ctgcagggct aggttaaggc 120
tggcattctt acttttacat taaaaaaact ggctacaggc tgcgcactgg aggtacttca 180
gtcatgtgcc ttctctaaag gattcttaga tccttaaaat atatagtatg ttttaagttt 240
gtatctaaat agcacttact gtaatgtatt atacctaaat gtttattaaa agttagaaga 300
aatgagtacc aacaggccgg aatggaagtg aggagagggg ctaagacatt gctgatctga 360
gggacagacc tctatgcaat agaagagggc tgggagaagg ggtgat                                406

<210> 897
<211> 265
<212> DNA
<213> Homo sapiens

<400> 897
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atctgtctct ccaagttgga ggctggggca gattttatat acagagggtg gtgaggcatg 120
atatgattgg atcttgaat gaggggattc aggaggttg atctgactgg atcacgccag 180
ggctcaatct gattggatca aggatcatgc cacgtggtgt ccacttctta actcagtcce 240
tgttcctcag tctgagcact taggt                                265

```

<210> 898  
<211> 400  
<212> DNA  
<213> Homo sapiens

<400> 898  
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aagatgcatt taaaattaca atttttagagc caagacagtt ctattaaatc aattgtcaat 120  
attaacataa ttgattgttt catccaataa tggttatattc cagggttttc ttttaaaaaa 180  
gactactttt aagagcagtt ttaggttcac agcaaaactg acaggaaggt aggaagattt 240  
tccatatatc ccctccccc acaagtgcac agcctccctc ttcatacaaca tccctcatca 300  
gagtagtgca tttgtttaca ttgatgaaga tacattgaca catcataatc acccaaagtt 360  
catagtttac attaagggtt actcttgatg ttgtacattc 400

<210> 899  
<211> 425  
<212> DNA  
<213> Homo sapiens

<400> 899  
tgaagagcac agatttattg aaacaaaagt acatcccaca gagtggcagc aagattgagc 60  
aacctgctgg agaccaccgg ttacagaatt ttctgggggt taaataccct ctagagggtt 120  
cccattggtt actcggttta cgccctatgt aaatgaagta gtgatccgtg accagtctgg 180  
ctggctcgtg gaggggacca gtcataggta cttttcattt ttcactctgcc aggcagaaaa 240  
ggggcaggtt gcaaagggag tataacctct gattcttttg ttacttgggc gaggaaagtt 300  
gagattttcc ttttagattta gttataggaa gtcagtgtga attggcttta ggcagtgtga 360  
actgcctctg gaacttattc tcctgcctca caagcattta tgaaatctgg ccctagacaa 420  
gatgt 425

<210> 900  
<211> 530  
<212> DNA  
<213> Homo sapiens

<400> 900  
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catcagaaaa caaaagttgt agtatcagta aagggtctgag atggttcaact tttgtagatt 120  
caattcagtg tatttaaggt taacaaaggc tgacattgaa atgtttaaag ataggcaaaa 180  
attcacatta aaaaaaaccc tatatttcta tttagagtaa cagtaggcag tatgattcca 240  
aaagttaaaa attatttcac aacctgtagc ttcagcttgg caaacagctt agattccaaa 300  
actgattcat ctctattaaa atgtaagcac ttaaaaaaag agcatgtctg tgtatataga 360  
catatatatt aaaggaatca gataatcttt gaagcagcct tagtgtttcc tttaaatttg 420  
tctggaaatg accattgtat tagcttcaca gaaaggacta gccagcttct tcgtctaagg 480  
ctaactgggt gatcatttgt ctaaggctag aaaggtagca acaagatgta 530

<210> 901  
<211> 116  
<212> DNA  
<213> Homo sapiens

<400> 901  
tgaggccaca catgtttatt aggccggtcc tgacacctgc ctgcggggaa ggaccaccga 60  
gaccagatcc tgggtgccat ggggtgcagg gacagaccgg tgcattggcag cggctg 116

<210> 902  
<211> 485  
<212> DNA  
<213> Homo sapiens

<400> 902  
ttttttttta ataatcaact aagatgtata tgtaagaaag cctcatcttt tgatttttaa 60  
tatacaagat gctttcttta agagagcaag attcaaaatt gttttgtgtt tcaaaattta 120  
aaaataaatt tatctcctaa attttctaaa gacatgtttc atatatttga ccatccctta 180  
ttttggcaaa ggattttaag agtctaactc aaacatatgt aagctctggt gtacctgggt 240



atatatacca aaaaaaacat ttgatctata tacacataga catgaatata tttctgtgtg 300  
 tgtttgtgca tatataacct caaacactat tattaaatgc aatcctatat tcttaggtat 360  
 agaagttgat gatatacctt tctacttgcc atggcattaa caaagcaagg ctgagactca 420  
 gcaaccactt gtgttcattg cattgcaggc tagtagtaag tttggttgct ggtaggaaaa 480  
 gggtc 485

<210> 903  
 <211> 488  
 <212> DNA  
 <213> Homo sapiens

<400> 903  
 acatggctat ttcattttatt tagtagtttt gaaatgttag caaatataag gtatttgtaa 60  
 agcatctttc attataaaga gattagtaat attcaccaat catgccaatg agattataca 120  
 ctctgccaaa gactactaga aaaatttgat cattattaaa ttcaatgtta tttgacagtg 180  
 tgaactctat gtaacagcac aaattctgga ctttgaatct ggctgctgtc ctcacctgaa 240  
 ccattaaaaat gaccttgta acaaggaagg aatcaatggg gatatatcac aaccagagat 300  
 tggctgtgtg tccaaggggtg ctttgtcttg ttgccaggat cagactgtga aatcacagag 360  
 gcaagctgat gtcacagag gtgactctgc ctatttcaag tctataatc accccatggg 420  
 attcaacagc agtaggaaaa catcacattc tcttaatgga caccocatat ttgtagaac 480  
 agttatga 488

<210> 904  
 <211> 354  
 <212> DNA  
 <213> Homo sapiens

<400> 904  
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 cctttgtcct cttccttttc cctcctgcca agtgtcctat tctcaaaagg tctaaatcac 120  
 tgccttcag cttggtgggc aacctgctgg gggccccaag tgaggtgggg aggggctccc 180  
 tagctatttc ccagtgcct ctatcacatc atcgtcttta tctcatcat cattggagct 240  
 gaaccaacc tcggcaacct catgagagtc aaatggaggc acctgggacc gtaggaggcc 300  
 accagctggg tagcctgcat gtggggacat gtagcctgga tagatagaca tgcc 354

<210> 905  
 <211> 407  
 <212> DNA  
 <213> Homo sapiens

<400> 905  
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 ttttcatcta acatacaatc tgcaaccatt cgcaggctga atgcaatttt tcaatgaact 120  
 tgaaaacaaa cagtacattc ttaaagttag aactgaattc acatattttc tttggaccag 180  
 gaaataatac ataatacaaa atatacattt atggaatttc tttaaaagtg tggatcacat 240  
 aaactgcaaa gtgggtgagt tgctacggag aattttgtta cacattgtat ttaagaaaaa 300  
 tatttctgca attatattat tcttaacatt tatagagttt aaaaaatgaa tatataatgc 360  
 aacatgcttt taacatgtac atgtctctcc actcataaca tttatac 407

<210> 906  
 <211> 189  
 <212> DNA  
 <213> Homo sapiens

<400> 906  
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 cagccaagcc tcaggagatg cacatgttca aagatttcag agtgcagaga gtcatttcat 120  
 tttttacgaa gcacgtgctc tgcttccgga cggcgctaag tcggctgtgt gcccgggcgc 180  
 ccgcagttg 189

<210> 907  
 <211> 513  
 <212> DNA  
 <213> Homo sapiens

<400> 907  
 tttttttacat tttattagaa tcttttttatt tttttctgca gaaaacattt gagatgctca 60  
 tttgatataa acatctaatt ccaagagaga ccagtgtctca aatatagttt tttcagctac 120  
 catttgatac ggccataaat ttggatgggc catgtttacaa tccttccaca attctccact 180  
 taaagacatc atttttctat gtttttaatg actattgccca tctaacaatt ctacaattcg 240  
 cctcttttggc tgtaaaaaagg ccaactctac gtccacctgt gtctcatatt gctatctttt 300  
 atttatctct gcttaagatt gcaaaagttt ttgattttat tattcacctg aacaatgtat 360  
 tgcaattcca atacaccccc atctcttgct gttatctaca gcttgtgaca aaatgaacac 420  
 cttgtagaaa tatcctactg gttgggtttc ccaagtctat gacaccaaga gagaagcatt 480  
 gctgatggat tgacgaggag accaccagat cat 513

<210> 908  
 <211> 441  
 <212> DNA  
 <213> Homo sapiens

<400> 908  
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 tcatggggta caatgtggaa tgaggaaatc ccactactta gcatctccac tacctcagag 120  
 agaccaattc cacgtgaggt ccagaaagtg ttgatctaaa caagttgacc ccatagaagt 180  
 agcaagtaga tcgatgggtga ccaggggtca gagagtggca gaattacgga atgggagggg 240  
 gggtgtcagt taaaggacca aagtctcaag gaggaggaag aggttttgac atgtagtga 300  
 cagcagagtg accagagtc atgagaatgt gttgcatttt gcaaaacacc tgagagagtc 360  
 catgtcaaat gtctctctgc atttagattg gagaggacga aggccctgag gtccaagaac 420  
 attgaaacct gacagtggat g 441

<210> 909  
 <211> 398  
 <212> DNA  
 <213> Homo sapiens

<400> 909  
 aattaagaaa tcagatttaa tcataaactt gtgaaaggaa caaattcaat ttttaataac 60  
 ttttatatca atggaagaag cattttcaat tggcaaaact agaggtttct ccctaatttt 120  
 ctgtctgaat ttttataaat aaaatgcatt atttagctga aatttttaaaa atattttttt 180  
 cactagacgt tagagcaatc ttagatttta aataaattgt taagtatcat gaacatgtta 240  
 ttttaagattt aaaataaagc taagatttgc tttacattgt ggcaaatata tacatttttag 300  
 aaaacaaact ttgtatttag tcaacataat ttttaaaata actaggttgt ggatacacat 360  
 aattttctgc agtaattgac gacagatgaa actacatt 398

<210> 910  
 <211> 389  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 910  
 aaaactgagg gaactcatgc tttaatagac actgaaaatc acaaaggrgg aaggccaagt 60  
 gccttagcaa tctcaataaa aatattgavgt tcttttttaca tggtaaattt cataatataa 120  
 mangtttaat gtctggvaat ggtgtaattt acaaaamaag tccacgtagg ccaaagatgg 180  
 ctaannctgc atataaggva cgtgaatscc agtggaaagg tgtctgagga ggggcagggc 240  
 cacaggtgtc ctgacaggga acatctttga aggatctggm acaaacagg gcccagttca 300  
 caaaccacag gtacactcat tttagatagg mcagcagaat aggtgatgaa attatacagt 360  
 ttycacttgt tgctactta ctgaagcaa 389

<210> 911  
 <211> 231  
 <212> DNA  
 <213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 911  
taatttttcca caaagagctc cagaaggcaa atagttttatc acttccccac tctgaaatag 60  
cacgcaagac agatgatgca ggggaatggg tgtccactct tncctgtncct cagagctcct 120  
gcagcaggcc tgantgaccc gcaagcgggg cccatgcagc gtgtcctctg caaagtgcag 180  
gtnttcagtc cacacacagc accaccagca ctgctgatgt cacggttgct t 231

<210> 912  
<211> 518  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 912  
tttttttttt ttnttttttt caccagtnnt tctctgttta ttcttctcaa ctacaccatg 60  
ntgctttgca gnttggtttt acaaacatnt ccccaaat aggatgcatg atgaccaagg 120  
gaggaaagaa aattttcaca gggatatttaa aaagtctcag ggaacaaaca gntcagtgnc 180  
aaatcagtaa ggctaaccac tgaaaatgac tctgcacagg tgaggaagtg gagcagaaga 240  
gggaggggct gggtcaggga acaggattta atatgtcagt gaagaccctg cctctctctg 300  
taacaagatg cctaaagaag antagtgttg cttccagccc agctccctct tnttttggga 360  
acaacagtca tttctcagaa acctcacttn caaaggcagc ccttncaaaa acatgagagn 420  
tttagtttgg agaaatnttt taagctcact tttgctggag aggaatgant ttaaactngg 480  
gcacacagng agcancaaan agttttnaag agccacct 518

<210> 913  
<211> 427  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 913  
tttttttttt ttaaaaataa agcctcttta ttggntacct gtaagctcag gtacaagggtg 60  
ttcccacaag gcacacaggc tggcaaggcc tacctgggnc aaggggcagg cccagagcct 120  
ngnntttctt gggcacagac acagagagna aatggaataa attatagttc tgacactcag 180  
ggacaatgta gaaattatga tgcaaaatta aacattaggc aaacaaaggg tataaaaacc 240  
ctcaggagcc acccctcgcc aactggcctc agggcatggg caggtnggcc acgatgaagt 300  
gcagtgccca gaaagccctg agataatagt ctggggcatg gttcncgccc cgaggtaggc 360  
cctttgccct ctctgggctt cctgtttcct ccttccccct nctacatccc tgggcctaga 420  
ataaagg 427

<210> 914  
<211> 442  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 914  
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ctggggccct ctgcagtcct gtctgggtct tcacacctaa gtcaaagcaa gagctatntt 180  
tgcgtagtaa tttccttagc caagactaca agaggccaaa tgccagggtt catctcagct 240  
tcctgtgcat tcacatggaa ggtcgtcttt gaatctgcac gtccagctcg ccatacacat 300



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aggatatgtgt cactacaact gactaatTTT taattTTTTT atagagacac aggatctcac 180
tatattaccc aggtcgtgtc tgaactcctg agctcaagcg gccacccac ctgagcctcc 240
ctaagtgttg ggattacagg catgagccac ggtgcctggc tatcacgcaa ttcttaagtg 300
cttattccag tagcagaaga gattagaaag gctggctTTT tccaacagtg ggagcttgaa 360
tctggaaaagt cttaaagttg ttgtaatttc acactactaa gaagcacttt gctcatgcaa 420
ctgaaaaaaaa aattaagtgC ctaccg 446

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<210> 919
<211> 447
<212> DNA
<213> Homo sapiens

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<400> 919
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cacctcagtc aaacgtcaca cccaaacatt cagctTTTct cagaccaaT taaatgttta 180
cagaaaaaaaa aaagacccaa acgctaaaga tattTTTtaa atattTaaac aacacaataa 240
agtaaaaaaca acctcagacc cctcagacta gacattccca ctgaaaattc tttgtgggtcc 300
ctgaatttga ttttctatgc aaaggcattg atttccaaag aagtgtgata aaaatgtggT 360
ttgggcattc tcaaaaaactc ccagaaagtt ccctcttctg gctggcgact tTcactgaaa 420
tggaatatcc tTcatggaga acgaatt 447

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<210> 920
<211> 267
<212> DNA
<213> Homo sapiens

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<400> 920
tttttttttt tttttTTtaa agtccatcaa agttttattt ctaagaaata aacttgcata 60
taacccaaac gtaacaactc tggTattaca tcaatacagc tataacatta atgcagcaat 120
tatataacac aaaagtgcta taatgacatg ggaaatgttc atgaactgtg aggtgaaaag 180
atacagaaaa tgactatgcc tactgatact acctttgaaa aaggatccat aaaaaataca 240
ttgaatataa gttggctaaa gaaaata 267

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<210> 921
<211> 416
<212> DNA
<213> Homo sapiens

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<400> 921
caacttataa gtaattttatt atgatattat agacaaatgc aaaattactg atatataggg 60
aggTtcattg cacagaaatt tggTgctaac ataaatatct atgagtgaga aatgcttaaa 120
acattttaatt atattttatc tacaaaacat tcatgtgtc attcaacaaa tgacacagat 180
gtgtatgtac tactgaaaaa gaaaaaggcc attgaataag ggctgttaaa tgaaagaggT 240
aatttgcaga aaaatgtgtt acaatatggc cacacacgtg gatccttccc cataatggct 300
tgtgtgtttg tgtgcatcta tccactaaaa gaatgcatgt agttcactta atagaggaaa 360
actatagggg cagaattgga agagaggagg gcatttaatt tatatattat tTaaat 416

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<210> 922
<211> 228
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<223> n=a,t,g or c

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<400> 922
ccatttgcat ctgaaccttc actaggtcag ttggattggc taaaaactgg ccaataacac 60
cagccatcat cctccaatg actgatttcc aaaggggata atgctcatct tTacttttgc 120
caaacacaac ctctcgga tgTtcatatc gtgaccattc gacctccaga atacactggg 180
taaaaaagat cattaaaaag gTaaactttg ctatatgtat cnatatgc 228

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<210> 923

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<211> 466
<212> DNA
<213> Homo sapiens

<400> 923
taaaagccaa aataataatt ttatataaca taaatacaga ctaaagcaag cgtaaattgt 60
atgtgtttta aagtctatga aaacatacat atttttaaag cagtcaactc attgaaagat 120
actaatatth aaagtagaaa gttgtgttgt ctgctgaaca tgagactctg aggtatttgt 180
gagagagaaa ttgtcaggaa agcagtagaa catttctctgc ccatgggtgc agtcttgagt 240
atttgtaata gccatgacga atccaaaaac catcaccaca gcaccaatgg gaagcatgac 300
acaagacata atcttatcgg agtgtgtcct tggttcttca gacagtttca gataacaggc 360
tgatggaatg ataaaaatga ggggagttgc acagagcaca ccattgagtt ctagaactat 420
cccgaggcaa tcaatcagca atgacaccag cgtgggctac agtgat 466

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<210> 924
<211> 431
<212> DNA
<213> Homo sapiens

<400> 924
cagcagccgg agcagatttg tatttagtgt ttctgagccg agcagacctc ctgtgaattt 60
cctgcttact ctgttacaca aacaaattaa agaacaaaaa gagaaagaag taaaaagtgc 120
ataaagggtg cagtacaatc atcttacaaag gatcccagag tatgtacttt ataagagcat 180
ttaacaatta agattgccct tttgcttttc aagagaagta attacagcaa ctaggctaag 240
taaaaccgga agttcagcac ccggaatctc ggagctcgct ggacaggcgt ctccagagcc 300
tccaaaagggt gtgagctgct tgtaataggg caggaggcgg gagtaggagt cagtcttgac 360
caagacaaac actattcatt tggttgtgtc tacaatagag aaaaacactt aacaacttta 420
ctccctaagg c 431

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<210> 925
<211> 492
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 925
ttaaacaagt aaagttgtta gtatccaggc actgaattat accttcatgg tatcaatcaa 60
agctatgata agaattttat gtaactgctt aatcacttct ttaacaagtg taccgctaca 120
ggtaacatta aacgtctcta gcaatgatct ttatcgggtt ctcttgctt gactgaaata 180
ttattaatac ttcttatatc cattaacata aaataacttt ttgttgagca aaaatagtgt 240
gaaaacatta agatgaatgt gcgctttgga aatgtttaaa tagatatgaa atgattaaat 300
aaaatcacag tcttgtgcaa catccatagc ttacagttat ttggcaacta tgaaaccaca 360
gttactaatg ggaatttaag actttttaaa aaattgccaa atngtactta tttggtatat 420
gaaagagggt attcagctat taactcagta nttaataaac cattgatatg naatttttac 480
ctggaaatgg gc 492

```

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<210> 926
<211> 471
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 926
aactactaca tttaatagcc ttcttctcta acacagtaat ttttatttaa aaaggagact 60
aaacagaagt caggggtagg tggttctcca tgactgcaaa taataataat aatgatgatt 120
ttttttaatg tacagctctc acacaaatth cattttgtga acacactggg aagtacacga 180
tgctggggct tccaaaatgt ggcgtatccc actgatggct ccaacttgcg agtgggctca 240
gttatgaaaa actcgggaga ggacgggttg tgcgtgctcg agcggttttc tcggaagccg 300

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ctgctcacca acttctcgta tttctccttg gtacgcgtcc ctctccgcgc accagcctgg 360  
 agatctcctg cttgaggtgg tcgacttngc tgcagcagct gggttcttct ccgactccag 420  
 gacgtgtctc tggctgcacc ctcttgaagc ggcaggactg ggnatagccg n 471

<210> 927  
 <211> 318  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 927  
 acgtaaaaccc agacatgctt ctgctctttt taattagaca gataaaatta gcaaggagat 60  
 taaggtaaaa ggagaaattt aaaataatta aatgttaggt ggaatttaca aaagtgaatt 120  
 gaacaatgag gtacaacaag gaatgtaaag agaaacacag acacatttga aacattcctc 180  
 ggatgccaca cggcttaagc cagtccatag gtaaagcaag aattctccct tgtcacttct 240  
 tgaattgcag attccagtga tgtgaaagaa cattctccag aaacactttc cttctccttt 300  
 tcttgagatg ctancaag 318

<210> 928  
 <211> 295  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 928  
 ttcgtaaaac nataaaacaa tggtttctag caagtaaaca accaactgat catctctttt 60  
 tacctttcgt agatgttttc ttcttaaaac atatagttat atgttttagct tacatattta 120  
 tgtatattat atatcaacac ttaaagaata ataattagat tcacagagta cgggtgggaaa 180  
 tacaatatat taccggtaca ctattcaggc aagcttatgg gaatgacaaa aaaggantga 240  
 atcacttttc atgactaggt atcttaatta tcctctgggt tttttctgac taagg 295

<210> 929  
 <211> 188  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 929  
 ttcaattaaa tgtaatttat tgtattcttc cagatcaaac ataaatgaac atcttgggaa 60  
 ttgataccac aacacaatgt tataccatc tttcacaacc agggttgcat tgaatncttt 120  
 tttaaagaac atagnaattt taaaaaancc aaatatattac atattaataa aacatatnta 180  
 cagaagat 188

<210> 930  
 <211> 316  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 930  
 gttttattca tgacaatctg caaaaaaaca ggtggatggg tcagaaagtc actgcaagcc 60  
 tacattcagg ggctccaccc gcagccaaag cccgccctcg gccgnnatga tcagttccag 120  
 cttcctgcgg ggctcagtgt ggtctggcag gaaccggaag tgcagcagca tcaacgccag 180  
 ggaccacttt catctccgcc atggggaaacg ctngccccga tgcagttcct ggggccctgc 240  
 ggagaagggg aataaaaagcc agaggggtgac ctcccccttg tgttctctgg ggggtcaaagc 300

gggagggggg tcgtag 316

<210> 931  
<211> 324  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 931  
taaagtacaa tttactataa aagctgttgc attttagaaa acttgttggt tttatttttt 60  
actgtttctc agaggcattt tagaataaat actttaaatg aaagttagta taaccgatat 120  
agaacactgg cccaccaga gcagtaacat cttttggacg gactcacata tgaggtggga 180  
tcatttcagt ttgttaaadc ttacactgcg tataggataa ctataatatg tattgcatta 240  
atcacactac atgggaaggg naatgtcagg ggaggttcgc ctagggtggaa aaaacaaaaa 300  
ggttacccca tttattttta ttaa 324

<210> 932  
<211> 377  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 932  
tcaagatggc atctttaatc acattggcca aggccttagg ttccctctgt tcaggcccac 60  
ttagccacac accaccctg gccatatcca gaacacttct accaggtggg ccctgctgt 120  
tggccactga tgtgggaacc tgaggtcaca tcagtctgtg gactcctggg ttaggtgacc 180  
cttntgcctt gaggtctgct ggacacctgg ggcattggat ccagtagtcc tgagctcact 240  
cttttggcca tctccagctg ntccataggg gacatggctc aggcccgntc ctgggggcag 300  
gggggttgcg gtggcatgag gtggggttgg gggaggagga cgtntctcca catttgacg 360  
tggctttcct cctgggg 377

<210> 933  
<211> 330  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 933  
tttttttttt acggtagcaa aggaaganct ttattcagga ggcgggggct ctgggctggc 60  
antngggnat gcaggagac cctggnacgt aggcacccag caggatggca ttgatgtgct 120  
ccagggtcag gttgctgaag accatgttga gatgctgtat cccgtgcagg gcagcaggtg 180  
cacaggctgt ggctggcggc cctgccacan gccacagagc tcggtgctgc gggtcgccac 240  
cgtgtcatca ccacctcat agagcacacc cacagggtcc gtgtagggga agccgtggtc 300  
gtagatgtag gtncggggcg tgggcaggcc 330

<210> 934  
<211> 383  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 934  
tttttttttt ggcaggcatg gttcaggctt tactgggcat cacacggagc tggggtaggg 60  
accagcaaaa gggagcaggg catacagatg gtctttgagg acagtgctag ggagctcaga 120  
gatcagtctg gcttctcaaa gaagagaaaa gcaactgacag gaaaagcagt cagggtggcg 180  
ttagtgcagg gaaaggaag acgttaggag ggggactttg atgggagggg cagtggggga 240





<210> 939  
 <211> 375  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 939  
 agcattgtct tatttatttaa cataattgaa acatttttgca taaaactctt gcccatgact 60  
 attctagcaa caaaattgta ctcaaaatat ttcactgtga aatggtattg caacttgaat 120  
 atcatttttt attaatgaat tgattttccat aaagcaaatac ttactcttaa aatggcagat 180  
 tatgtgatca aaaagcgatt caaaaaagct tccccctcct catgcccaacc ctcaagacca 240  
 tgtggatcca gctgaatcct cagccctggg nctagactan ggttgagggg aagagccgtt 300  
 aactcattcc taaccagaca ggctaattngg gcactccaac tcacacttca aggggccnca 360  
 tggacagtcg ggtgt 375

<210> 940  
 <211> 232  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 940  
 ccncaaggat gagtttattt cacatgtcac ccagcatgca actgaacaca tcacagaaac 60  
 caaatactta cttaaattagt gtgcattgct ttacaaggaa aagtcaataa aatggcatag 120  
 tgaatatatc attggncttg aagncagtggt tcatctgaaa atgggnacaa taatcatgnc 180  
 aataccnttc agntaatcat attctgaaaa ttaaatacat tgtattacaa tg 232

<210> 941  
 <211> 277  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 941  
 ttttttctca gtttctcctt tattgctccc gtacgaaccc ctccccctccc ccctgtaaac 60  
 acagtgtctgc gagatcgntg gcagagaagg cttcctccag cggctgggtg gtgaaggacc 120  
 ctggctcttc tctcggggcg acccctcagt gctcggcagt catactgggg tgcgagagag 180  
 gtgggcagca gntcagcctc ccccgnctgg gatgcgaaaag tttnttggtg tcagcttcat 240  
 ttccgtgaag ggcaccnnga actcgaagcc cttccag 277

<210> 942  
 <211> 405  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 942  
 cagagncnag tttattgcac tgactcaaag cacaactaaa aattaaaacc agaaagaaaa 60  
 ctgtacaaag cacgaagcta caactttaaa agcatcacct agacgcgggt ttaattgcac 120  
 tacagnccat ggggtgaggag agctttncat ccgtgagcgc cgggcaagga caacagacac 180  
 agagagatgc agcccgctg ggntcatctg ctgcaccaac ttttacaaaa ggttctagaa 240  
 aaggaagtn tnaagtcaga tctgggattt cggcatcttg acctcatttg gacatggaaa 300  
 acctccacct atgtggctgg ctgggtcctg tcagagaaca tattttatca ccctccacct 360  
 gcggcctggg ggntccctga caccaaggac tnggcctggg caggg 405

<210> 943  
 <211> 471  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 943  
 ttttttcgttt ccatacagtt ttatttgcaa tttgttggaa ccatggagaa caatcggcag 60  
 atacacatgt tgcttctggg aacagcattc aactccagat gctttttctg ctaaggagca 120  
 gggccacagg tnncaancna cccagtgtctg tgctgcgcgg agggctgtac tgaaggttct 180  
 gaaggcctgg ngagtcccc tcacggccag aaggagagac ccggcttcgg cttcatggcc 240  
 ggctccccgc agtntctgcc cagctcctct gcatcccagc gcccttgctg ggaggctagc 300  
 caagaggtgg gtcaacaata cgtgggatag aaggggagtg ggagacacan tttcaccagc 360  
 agcttggcat ccaggggagc agggaaagaa gttntttggg tcacaatttg ggaatcattt 420  
 cacctttcaa gaaattaagg acagggcaca gcgttaaggg gggtnnttttn c 471

<210> 944  
 <211> 424  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 944  
 agagctctag cacatttatt cgggagagta agcctgggaa agactaaggg agtgggtggca 60  
 gggagaaagg ctgtggggaa tcagagcggg tgctcagttg ggtcttgaag ganannnnnn 120  
 ngnnngtggtg aggtggggttn ccgaggatat cttggttgaa gacttggggg tcaagacaaa 180  
 gggacttagg gggatggggg ctggttagag ttggggaggg ggcctaggac atccgtgcag 240  
 agtctgggga ggttgggggt ggagagtctg tacaagtttg gtgttgggtg ttctagttagg 300  
 cctggtgtcc aagagttggg gcagtcgaa aaagggttcc agagtctggt gtggctggct 360  
 ggggtttcac ggcanaaaat gggctggaag gggcagttgt aaactgtctg gttgcaagg 420  
 aaag 424

<210> 945  
 <211> 574  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 945  
 ttaaaaagta gactatatat atatatatct tcatatatgc ctattttacat ataaatagat 60  
 atatatacat atacacgcat ctataaatta cattctatgg agagtctctt ttcttcctcc 120  
 tatctttggc cagggcctct gnttctcctg agaggtggct ggtggtggct cctgtgaggg 180  
 aggaaaggca gctgggtgcc ccctccccc gcccttccca ctgatatctg ctgcgagttt 240  
 tacattctac tttcgttgcc atggtttctg tatecttagga gagaggcgat gcgganctcc 300  
 gccagccctg cgagggaggg aagcagcccc atggcaggtt ttctgtctgt cctaagagct 360  
 ttctgcattt actgggtgag agagagggca gctgtgcagc gttcggcctc caattccatt 420  
 ttaattttgt ttctttgttt gtctttcctc aaatatacag tccatcacct tggctccagt 480  
 gcatgtcacc aaaaattctc cagggatttc atagtttga cctcggtggt gtggctngcc 540  
 aggatatcca tgcaggangc tgcactctga nagg 574

<210> 946  
 <211> 429  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature

<223> n=a,t,g or c

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<400> 946
ttgacgttgg cagtgcacatt tatttttctn nggggagggg agttatatac agcagtgcac 60
cggagcccct cacccccacc aggccttaggt ggggacagga ggcgttggca gaaggcacac 120
agtggcagta gccagaagag gccaggaagt aaggggtgggt atgtgatgtg tcctgggaga 180
cccagatgag gaaattgagg ctcatgagg gcctcaggtc acacagtaag gtgcgaagga 240
gctagtcccc agagcttgtg gtggttgcct ctctcttgcc tgggctacag gaggacgcag 300
gggcagcccc cgcccttctt cctgggggca ctgggagggc tcgggtgggag ctcttgttcc 360
tggtatttcc ggacagcccg caccagctgc ttcaaaagcc tcgtccacgt tgagacgcat 420
tttgccga 429
```

```
<210> 947
<211> 467
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c
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<400> 947
ggtacaaaag gtgtctttat tgaggtctgg gttaaaatta ggcacttggc cagagcagca 60
gcttaaatat gaggcaagca gtcaggggtt agccatgcct gggmntgggt tggggtcagt 120
aggctacagg cacagactgt cccaggtgg acagaagtn ggagcaggan nnnnnngnnng 180
nnngggccgc anancagcct gggtcagagg cctggtgggc nagcccagtg ggactaggca 240
ggaagctctg gtggcaggtc cagcagngag gggaccagga tctcttgctc cacgtgcccc 300
ttagaccag gcctgagcct ctggnagngg gcagccgcac ttggcagggc ggtcttccca 360
agcctcactt ncttcacctt ngcatcgtag gtgccttgca ttcttgtagg cgctcacgta 420
gccactgtcg tccaggatgt cctgccgtcc cgcaatgccc ttgcct 467
```

```
<210> 948
<211> 852
<212> DNA
<213> Homo sapiens
```

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<400> 948
cttgacgtg cccacctcac cctcagctct ggcctcttac tcacctcta ccacagacat 60
ggctcagtc ctggctctga gcctccttat cctggttctg gcctttggca tccccaggac 120
ccaaggcagt gatggagggg ctcaggactg ttgcctcaag tacagccaaa ggaagattcc 180
cgccaagggt gtccgcagct accggaagca ggaaccaagc ttaggctgct ccatcccagc 240
tatcctgttc ttgccccgca agcgtctca ggcagagcta tgtgcagacc caaaggagct 300
ctgggtgcag cagctgatgc agcatctgga caagacacca tccccacaga aaccagccca 360
gggctgcagg aaggacaggg gggcctcaa gactggcaag aaaggaaagg gctccaaagg 420
ctgcaagagg actgagcggc cacagacccc taaaggggca tagcccagtg agcagcctgg 480
agccctggag accccaccag cctcaccaac gcttgaagcc tgaacccaag atgcaagaag 540
gaggctatgc tcagggggccc tggagcagcc accccatgct ggccttgcca cactctttct 600
cctgctttaa ccaccccatc tgcattccca gctctaccct gcatggctga gctgcccaca 660
gcaggccagg tccagagaga ccgaggagg agagtctccc agggagcatg agaggaggca 720
gcaggactgt ccccttgaag gagaatcatc aggaccctgg acctgatacg gctccccagt 780
acaccccacc tcttccttgt aaatatgatt tatacctaac tgaataaaaa gctgttctgt 840
cttcccaccc gc 852
```

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<210> 949
<211> 1364
<212> DNA
<213> Homo sapiens
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<400> 949
aggggactgg ggccaagagc cgggagcgcg ggcgcaaagg caccagggcc cgcccagggc 60
cccgcgcagc acggccttgg gggttctgcg ggccttcggg tgcgcgtctc gcctctagcc 120
```

```

atgggggtccg cagcgttggg gatcctgggc ctggtgctgt gcctgggtggg ctgggggggt 180
ctgatacctgg cgtgcgggct gcccatagtg caggtgaccg ccttcctgga ccacaacatc 240
gtgacggcgc agaccacctg gaagggcctg tggatgtcgt gcgtgggtgca gagcaccggg 300
cacatgcagt gcaaagtgtg cgactcgggt ctggctctga gcaccgaggt gcaggcggcg 360
cgggcgctca ccgtgagcgc cgtgctgctg gcgttcgttg cgctcttcgt gaccttggcg 420
ggcgcgcagt gcaccacctg cgtggccccg ggccccggcca aggcgcgtgt ggccctcacg 480
ggaggcgtgc tctacctgtt ttgcgggctg ctggcgctcg tgccactctg ctgggttcgcc 540
aacattgtcg tccgcgagtt ttacgacccg tctgtgcccg tgtcgcagaa gtacgagctg 600
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ttgtgctgcg gcgcctgggt ctgcaccggc cgtcccgacc tcagcttccc cgtgaagtac 720
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cgctgggcac ggccggggccc ctctgccag ccacgcctgc gaggcggttg ataagcctgg 840
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tccggctctg cgcgccgacg cggctcctgg atccgctcct gcctgcgccc gcagctgacc 960
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cgcggcgctg tttccatagg cagagcgggt gtcagactga ggatttcgt tccccccaa 1080
gacgctgggg gtcttggctg ctgccttact tcccagaggc tcctgctgac ttcgagggg 1140
cggatgcaga gcccggggcc ccaccggaa gatgtgtaca gctggctctt actccatcgg 1200
caggccccag cccagggacc agtgacttgg cctggacctc ccggtctcac tccagcatct 1260
ccccaggcaa ggcttgtggg caccggagct tgagagaggg cgggagtggg aaggctaaga 1320
atctgcttag taaatggttt gaactctcaa aaaaaaaaaa aaaa 1364

```

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<210> 950
<211> 1301
<212> DNA
<213> Homo sapiens

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<213> Homo sapiens
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<210> 965
<211> 1358
<212> DNA
<213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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<210> 968
<211> 1443
<212> DNA
<213> Homo sapiens

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aaa 1443

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<210> 969  
<211> 1551  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

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<212> DNA  
<213> Homo sapiens

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 <212> DNA  
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<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<212> DNA
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<210> 979  
 <211> 2224  
 <212> DNA  
 <213> Homo sapiens

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<210> 980
<211> 3573
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<223> n=a,t,g or c

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<400> 980
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 <212> DNA  
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<210> 982  
 <211> 1457  
 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
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 <213> Homo sapiens

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ggacattact agtgactcag aaaattcaaa cttcagaaat gaaatccaaa gcttggtcta 840
gagtgaaaaa caacaaattc agttctgagt atatgcaatt agtgtttgaa aagattctta 900
atagctggct gtaaatactg cttgggtttt tactgggtac attttatcat ttattagcgc 960
tgaagagcca acata 975

```

```

<210> 999
<211> 1443
<212> DNA
<213> Homo sapiens

```

```

<400> 999
cctactccac gaactgatgc gccacccca ggcagtaact ctactcccgg attgaggcct 60
gtacctggaa aaccaccagg agttgaccct ttggcctcaa gcctaaggac cccaatggca 120
gtaccttgct catatccaac tccatttggg attgtgcccc atgctggaat gaacggagag 180
ctgaccagcc ccggagcggc ctacgctggg ctccacaaca tctcccctca gatgagcgca 240
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ccacaccatc acatgcgtgt gccagcaata cctccaaacc tgacaggcat tccaggagga 360
aaaccagcat actccttcca tgttagcgca gatggtcaga tgcagcctgt cctttttcca 420
cccgaccccc tcatcgacc tggaaatccc cgcatgctc gccagatcaa caccctcaac 480
cacggggagg tgggtgtgctc ggtgaccatc agcaacccca cgagacacgt gtacacgggt 540
gggaagggcg cggcgaaggt ctgggacatc agccaccag gcaataagag tctgtctcc 600
cagctcgact gtctgaacag ggataactac atccgttccg gcagattgct cctgatggg 660
cgcaccctaa ttgttgagg ggaagccagt actttgtcca tttgggacct ggcggctcca 720
acccacgcga tcaaggcaga gctgacatcc tcggcccccg cctgctatgc cctggccatc 780
agccccgatt ccaaggtctg cttctcatgc tgcagcgacg gcaacatcgc tgtgtgggat 840
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gttttgcatg tcaccaagcc agacaaatac caactacatc ttcattgagag ctgtgtgctg 1140
tcgctcaagt ttgccattg tggcaaatgg tttgtaagca ctggaaagga caaccttctg 1200
aatgcctgga gaacgcctta cggggccagt atattccagt ccaaagaatc ctcacgggtg 1260
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gccacagttt atgaagttat ttattaaaga caaatcttca tgcagactgg acttctctc 1380
ctggtagcac tttgctctgt catccttttt gttcaccccc atccccgcat ctaaaaccaa 1440
gga 1443

```

```

<210> 1000
<211> 1309
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1000
acttttctctc tcttttcgatt cttccatact cagagtacgc acggtctgat tttctctttg 60
gattctttcca aaatcagagt cagactgctc ccggtgccat gaacggagac gacgcctttg 120
caaggagacc cacggttggt gctcaaatac cagagaagat ccaaaaggcc ttcgatgata 180
ttgccaaata cttctctaaag gaagagtggg aaaagatgaa agcctcggag aaaatcttct 240
atgtgtatat gaagagaaaag tatgaggcta tgactaaact aggtttcaag gccaccctcc 300
cacctttcat gtgtaataaa cgggccgaag acttccaggg gaatgatttg gataatgacc 360
ctaaccgtgg gaatcagggt gaacgtcctc agatgacttt cggcaggctc cagggaatct 420
ccccgaagat catgcccag aagccagcag aggaaggaaa tgattcggag gaagtgccag 480
aagcatctgg ccacaaaaat gatgggaaaag agctgtgccc cccgggaaaa ccaactacct 540
ctgagaagat tcacgagaga tctggacca aaagggggga acatgcctgg acccacagac 600
tgctgtagag aaaacagctg gtgatttatg aagagatcag cgacctgag gaagatgacg 660
agtaactccc ctcagggtata cgacacatgc ccatgatgag aagcagaacg tggtgacctt 720
tcacgaacat gggcatggct gcggaccctc cgtcatcagg tgcatagcaa gtgaaagcaa 780
gtgttcacaa cagtgaagag ttgagcgtca tttttcttag tgtgccaaga gttcgtatgt 840
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atgacgcaag ccatacttaa tgcataTTTT ggtttgggta tccatgaacc taccnnnnga 960
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agtaccagta taagcatctg ccatctgctt tccccattgc catgcgtcct ggtcaagctc 1200
ccctcactct gtttcctggg cagcatgtac tccccctatc cgattccccct gtagcagtca 1260
ctgcacagtt aataaacctt tgcaaacggt aaaaaaaaaa aaaaaaaaaa 1309

```

```

<210> 1001
<211> 567
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1001
agagaagacc gtggatcacc tggggacaga ggtgaaaggc ctgctgggct gctggaggag 60
ctggcctgga acctgcccc gggacccttc agccccgctc ccgaccttct cggagatggc 120
ttctgagccc tggagctgga gccagcaggt tggaggtggt gcacctgcca ggcagcgcca 180
cagaaccagc cctgtcctct cgacttcctt ccttagcttc atgtgaaata aaagctattc 240
tggtctcctc tgtgtctgct gacagagtaa cccgtttaac tacagcctcc tctcactcca 300
cttccatgcc tggaggaagc ctgcaacccc ctccaggctc agacctgggg acacccccan 360
tcctgtcatt tataggggaa gatggagcag ggggtgattc acacagatgg ggggccccct 420
gaattggcct gcttctcaga atgttgcca taggtnaaaa gcaaggggat cgggggttcag 480
gaccancaga atgtttagt aatctgnatg aatgagaccc caggatttat gtgtccatta 540
agtggttggt gtgntttaaa aaaaaaa 567

```

```

<210> 1002
<211> 299
<212> DNA
<213> Homo sapiens

```

```

<400> 1002
ccgacatgaa ggtgtcagct gtgatgcatg tttaaaagga aattttcgag gtcgcagata 60
taagtgttta atttgctacg attacgatct ttgtgcatct tgttatgaaa gtggtgcaca 120
acaacaaggc atacaactga ccaccaatg cagtgcataat taacaagggt agattttgat 180
ttatactatg gtggggaagc tttctctgta gagcagccac agtcttttac ttgtccctat 240
tgtggaaaat gggctatcga gacatctctc agacctgtta cttctaaaca tgcagaaca 299

```

```
<210>      1003  
<211>      269  
<212>      DNA  
<213>      Homo sapiens  
  
<400>      1003  
gttaaaacat tttttaaag cagtaagt tt atagaaaatg ttttcattta atggaaggct        60  
ggggaatgtc cagcatcaac ccctatggca tgcattccag tggccttctc atctgggcct       120  
ggaacctttg ttcagggtt aggggagaac aggccacatg gcaacagcca cacagtcatt       180  
gccttcacac agagccacgt gtcccaaaca gcatagtcat gccttgtag ctgatctaa         240  
ttgtcatagt cgtgctcctc ctgtagact                                         269  
  
<210>      1004  
<211>      263  
<212>      DNA  
<213>      Homo sapiens  
  
<400>      1004  
gttcagtgtc catacgatc tgctcatttt gacaaagtgc ctcattgcaac cgggccctct        60  
ctctgcggca gagtccttag tggaggggtt tacctggaac attagtagtt accacagaat       120  
acggaagagc aggtgactgt gctgtgcagc tctctaatg ggagttctca ggtaggaggc       180  
aacaccttca gaaagagctc aaaataaatt ggaaatgtga atcgagctg tgggtgtgac       240  
cacgcctgt gtagagtccc agg                                                  263  
  
<210>      1005  
<211>      306  
<212>      DNA  
<213>      Homo sapiens  
  
<400>      1005  
ataaacacca aggcagccat gtcatagact agtgtttact cttgttttga ctttgtttta        60  
atgcttccta agaccnaagt gcctcctgct gtttcctcct ttgtggtagc ctctggccat       120  
ctggacctca atgccagct tccccacttt cagcagtcct ttgtctcttt tgcttctacc       180  
tcaaatatgc ccaggagtgg gcttttagtct ccaatatgga gcattctcaag cttctcctgg       240  
ggatgggatt ggatggcaga tctgtttgga ctccggtatt ccagtgggta agcagactgg       300  
acttcc                                                                306  
  
<210>      1006  
<211>      423  
<212>      DNA  
<213>      Homo sapiens  
  
<400>      1006  
gttcttttga atacttaatg acagaacaaa tacttggcaa actcctttgc tctgctgtca        60  
tcctgtgtac ccttgtcaat catggagct ggttccactgt aactagcagg ccacaggaag       120  
caaagccttg gtgcctgtga gctcatctcc caggatgggtg actaagtage ttagctagtgt       180  
atcagctcat cttttaccat aaagtcatc attgctgttt agcttgactg ttttcctcaa       240  
gaacatcgat ctgaaggatt cataaggagc ttatctgaac agatttatct aaaaaaaaaa       300  
aaaaacgaca taaaataagt gaaacaacta ggaccaaatt acagataaac tagttagctt       360  
cacagcctct atggctacat ggttcttctg gccgatggta tgacacctaa gttagaacac       420  
agc                                                                    423  
  
<210>      1007  
<211>      103  
<212>      DNA  
<213>      Homo sapiens  
  
<400>      1007  
cagctcacgc gggacctggc cggcctccc agtctcttca agcagctgcc cageccgccc        60  
ttcctgcccg ccgccgggac agcagactgc cggtaacgcg cgg                                           103  
  
<210>      1008  
<211>      288  
<212>      DNA  
<213>      Homo sapiens  
  
<400>      1008  
gtttcaagaa cacatgaaat tctttttaaca ccagattaqt qtqttacccc aaatgaacgg        60
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```

ttctagccct ctattaagaa ataaagggac cataagcatt ttggctgctt atggctgtgt 120
gttactactt acaagagtct tgaaaattat acagaacttt gccttctttt tttaatgtct 180
tccacaatgt tgtgactgat tataaccctg tttccctca gagaagagct atggctcagg 240
gatctgtgtt gactctggca tttagtggct ttgtgaagga aagaaacc 288
    
```

```

<210> 1009
<211> 182
<212> DNA
<213> Homo sapiens
    
```

```

<400> 1009
cctcggttgg cacggtgctt cttgattaat tagttactct gactctggtc tgccgagatc 60
catttccaac ccagtgtgct tgggagaggg ttgggaggca gcagagcatg ggtgacagtg 120
ggagcacacg acttccttgg agcctggggc tttgcgggtc ccaggtggtc aggcagctgg 180
ag 182
    
```

```

<210> 1010
<211> 320
<212> DNA
<213> Homo sapiens
    
```

```

<400> 1010
ctggacacca cttttaaaaa gcaatcactg tgctagaaaa gtatattggc tttgttagga 60
ttaaagttca ttaacttcaa tgtaatcatg cctcctatta ctgaagtcag attggaacca 120
ctaaagatcc aaactttctg tctggtaata gaaagtaaaa atctagacat catttacatt 180
tgagaaagct gtttttaaca ttattttaaa atgccaataa tgttctttct agaaaaatat 240
ttatttttgt ttttgttggg tagcttttaa ttacatttca gagaggtgta attttggggt 300
agatgctcat tacatttttg 320
    
```

```

<210> 1011
<211> 421
<212> DNA
<213> Homo sapiens
    
```

```

<400> 1011
tcgacctcct gaatcatgtg gttctgcaaa tgaatacctt caactaggat ttagaccact 60
aagaacttgc acagaaaaac acgcattgaa tgtgtgtcga acctctacat tgtgaagttg 120
cactatgtac catactctaa aatgaaataa gaactcttta tgtctgtgag agagtgtgtg 180
tgtgtgtgtg cgtgcgtgtg tgcttgtggg ggttgggtag tgtgtgtgta ttttctctgg 240
ctttaaaatt ttaaaacaaa caaacaaaaa agccatagag agcagaactt gccgagggtc 300
atattattgcc caagtttaca agagtagcga tacaagtttt tgcaaattga atttgcctca 360
gatatatctg tcctaattgct tatatttgca caagtatgta aaatatcgtg ttgaggatca 420
t 421
    
```

```

<210> 1012
<211> 463
<212> DNA
<213> Homo sapiens
    
```

```

<400> 1012
ctctcaaact tgttttcgaa tctcctggga gtgagggaga aacagggagc tgaatcctcc 60
cccaagctgt tccaggccag aggactctgc agtaccttct cctacatcta gtaacaaaga 120
atggtgataa ccatgcactg gttcaaggtt ctggagttct ccatgaaact tgggttaatt 180
ttgctcagag tatccggagt tagccactag ctgcgggtga aatgggatgg agtagaacia 240
cagcaggctt cctggagcca catgggctga ctagggcact ctgtggctgg ctgcacggct 300
caccatgaag aggagaaacg atcccttgcc tgcccctccc tgtggcaggg ctaactgcct 360
ggcctcctg gctcgcagca gccagcccc tggcagcagg ttctcctcag ggcttgggtc 420
ttcaacctgt ggcgacagga ggcagggcag actgtggagg aca 463
    
```

```

<210> 1013
<211> 348
<212> DNA
<213> Homo sapiens
    
```

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1013  
 gcaagtgtgg accccaggtg gcctcttgga gatgaccgtt gcgttgagga caaatgggga 60  
 ctttgccacc ggatgcttgt nntngcacat ttcagggggg tcaggagagt taaggaggtt 120  
 gtgggtggga ttccaagggtg aggcccaact gaatcgtggg gtgagcttta tagccagtag 180  
 aggtggaggg accctggcat gtgcaacaga agaggccctc tgggtgatga agtgaccatc 240  
 acatttgga agtgatcaac cactgttcct tctatggggc tcttgctcta gtgtctatgg 300  
 tgagaacaca ggccccgccg cttcccttgt agagccatag aaatattc 348

<210> 1014  
 <211> 532  
 <212> DNA  
 <213> Homo sapiens

<400> 1014  
 aacaacatga tatgtgctgg actggaccgg ggccaggacc cttgccagag tgactctgga 60  
 ggccccctgg tctgtgacga gaccctccaa ggcacccctc cgtgggggtgt ttaccctctgt 120  
 ggctctgcca gcatccagct gtctacaccc agatctgcaa atacatgtcc tggatcaata 180  
 aagtcatacg ctccaactga tccagatgct acgctccagc tgatccagat gttatgctcc 240  
 tgctgatcca gatgccaga ggctccatcg tccatccctc tccctccccag tcggctgaac 300  
 tctccccttg tctgactgt tcaaacctct gccgccctcc acacctctaa acatctcccc 360  
 tctcacctca ttccccacc tatccccatt ctctgcctgt actgaagctg aaatgcagga 420  
 agtgggtggca aagggtttatt ccagagaagc caggaagccg gtcacacccc agcctctgag 480  
 agcagttact ggggtcacca acctgacttc ctctgccact ccctgctgtg tg 532

<210> 1015  
 <211> 501  
 <212> DNA  
 <213> Homo sapiens

<400> 1015  
 tgttaccaat atatccacag aaagaattgc aatttaccaa ggttttcacg tgttttgaga 60  
 gaaatcttac tgaaagacta gtgatgtcca ttttccagta aatactgagc gaaaaacaat 120  
 ttttataccc caatctgagg tataaacttg ctttttgtgg gatcacaact gctgtaaatt 180  
 agacaattgt agcaacaatc caagacaata acagaatgcc tatgacagtc tgccatattc 240  
 tgggtgagtgt ctatcaaagc tcatcatgat tttttgtgag atcttccccg taattggtag 300  
 cttggcttcc aacaaacatg ttccagttct ccaatatttc ctctttagtt agcttctcat 360  
 ccttggtttt gtctgattca tataccagat gccctggctc agcctgtgcg tgatcataat 420  
 cttgagggag gatccagtgg cgaatctcat ctttgtctaa cttcccgctc tgttcagatc 480  
 cggaattcgt taactgctcc c 501

<210> 1016  
 <211> 5338  
 <212> DNA  
 <213> Homo sapiens

<400> 1016  
 ggccgcgagt gcatcttcca cgaacctaat tcatctctcc agcaaaggac acatctctcc 60  
 agcaaaggac acctctctcc agcaaaggac acctgcagag atgtccccag tcttcaactt 120  
 ctatgttcgt cctctctggc atgagggggc agcctctgga cacactcgga ggaaactgca 180  
 agggaaactg ccagagctgc agggcgctga gactgaactg tgctacaacg tgaactggac 240  
 agctgaggcc ctccccagtg ctgaggagac aaagaagctg atgtggctgt ttggttgccc 300  
 cttactgctg gatgatgttg ctggggagtc ctggctcctt cctggctcca atgacctgct 360  
 gctggaggtc gggcccaggc tgaacttctc caccccaaca tccaccaaca tcgtgtcagt 420  
 gtgccgcgcc actgggctgg ggctgtgga tegtgtggag accacccggc gctaccggct 480  
 ctcgtttgcc cccccccgt cagctgaggt ggaagccatt gctctggcta cctgcacga 540  
 ccggatgaca gagcagcact tcccccatcc catccagagt ttctcccctg agagcatgcc 600

ggaacccctc	aatggcccta	tcaatatact	gggtgagggc	cggcttgccg	tggagaaggg	660
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ccaggagcta	cagcggaacc	cgagcactgt	ggaggccttt	gacttgggcg	agtccaatag	780
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ggaccccaca	cggccaagcc	gcttccagca	acagcaaggg	ctgagacatg	ttgtcttcac	1020
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tgccggctat	tgctttggaa	atctgcatat	tccaggttac	aatctgccct	gggaggatct	1200
aagcttccag	tatctgggga	attttgcccg	gcccctggag	gttgccattg	aagccagtaa	1260
tggagcttct	gactatggca	acaagtttgg	ggaaccagtg	ctggctggct	tgcgccgctc	1320
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gaggtccccc	aaccgggact	tcctgactca	tgtcagtgcc	cgtgaacggt	gcccggcttg	1860
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tgtcagaaga	aatggccagg	gggatgcccc	cccgcacccc	ccgccaaccc	ctgtggacct	1980
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ctatgccgtc	tgcccagaca	tcacagccac	tgtgacccca	gacctcaagc	atcctgaagg	2640
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tctggcccag	tgcttctccc	agcttgggga	acaccctcca	gacctggacc	ttcctgagaa	2760
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gcgagccctc	tgggaggaga	cgagtttcca	gctggaccgg	ctacaggcag	agcctcgctg	3180
tgtggcagag	gaggaacggg	gcctgaggga	gcggatgggg	cccagctatt	gcctgcccc	3240
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<210> 1017
<211> 416
<212> DNA
<213> Homo sapiens

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<400> 1017
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cttgagctat gtgttggaag tgccctggtt ttaatccata cacaagacg gtacataatc 180
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tcctattttt gaaatctgaa catgaatcat tcacatgacc aaaattgtgt ttttttaaaa 360
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```

```

<210> 1018
<211> 212
<212> DNA
<213> Homo sapiens

```

```

<400> 1018
cggggttgac ggcttttttg taggagtggg ctggaccgga cgccagagac aaaggctccc 60
aaggcaagag ggactgtggc cctgcgtcgg ctctgctcgg gactgctgac ccaggaatt 120

```



<221> misc feature  
<223> n=a,t,g or c

<400> 1022  
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actgtgaata acataacttaa atggctgtgc ttattttcctt ttcttttctt ttttcttttt 180  
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aagtaggctg gggattacag gtgcccacca ccaccnnggg gctaaaattt gtattttttca 360  
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caggtganc cca 433

<210> 1023  
<211> 3705  
<212> DNA  
<213> Homo sapiens

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acccccgacc gtcccctcgg aaaggagcct gtctctgtca ctgcccgggc cccgggaggg 180  
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<210> 1024
<211> 383
<212> DNA
<213> Homo sapiens
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<220>
<221> misc feature
<223> n=a,t,g or c
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<210> 1025
<211> 375
<212> DNA
<213> Homo sapiens
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<220>
<221> misc feature
<223> n=a,t,g or c
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<400> 1025





<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1033  
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<210> 1034  
 <211> 3282  
 <212> DNA  
 <213> Homo sapiens

<400> 1034  
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 cgacagcgtt ggatggacca gcggctggtg tttgaaggca acaagagctt cactctggat 480  
 gcccgcctcg tggagttcct ctgggtgcca gatacttaca ttgtggagtc caagaagtc 540  
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```

```

<210> 1035
<211> 563
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<223> n=a,t,g or c

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<210> 1036  
 <211> 744  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

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<210> 1037  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1037						
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<210> 1038  
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<400> 1038

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<210> 1039  
 <211> 265  
 <212> DNA  
 <213> Homo sapiens

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<210> 1040  
 <211> 403  
 <212> DNA

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<213> Homo sapiens
<400> 1040
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ttcccttccc tgcccacccc agccgcagtc ttggctcctgc cagccagttc agccagattc 240
caagggtggac atgcagacag caacactgcc tcttgggtcc ccaggaggag tgtggagtca 300
gggctgctag tgtgggtccc actgcagagg tggctgggtg ccaatgactg gatttgtcat 360
tgcccgctag cacaggagat cccagggcag agtctgtgtc ctt 403

<210> 1041
<211> 491
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 1041
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tttaaaattc ctgtggttgt tcgctaaatg gcaaaatagg gggccaccag ccggacaagc 240
tccagaccac ctacagaaag aaagtctcag gccattatga aggccgaaac gctaacagcc 300
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gtgcaaggat cagcaccacg tgtagaaact gacttgtacc ccgaaggtaa tgcaatgcga 420
ttcccaacag gctcattcca gatataaaaa atatgtcatc actttcatta ggtaatatatt 480
aanccaacan t 491

<210> 1042
<211> 516
<212> DNA
<213> Homo sapiens

<400> 1042
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agtaatcttc cttagtaatc atttctgtaa cttagataaa aatagaaatt tataagagtt 120
tttatttttg ttacttgtaa aagtatattt cctagagaaa atatcagcag tggtagagac 180
cagaaaaagt aagtgtgtgt gttctaaaca gtgattccaa ctcaatgtgt tcagagaaaa 240
cactttgacc ctgtctgtgt ttacagtcct tgctgactgt gtactgtcgt atcctcagcc 300
ttgttctatt tctttatttt agctttacag agattaggtc tcaagttatg agaatctcca 360
tggctttcag gggctaaact tttctgccat tcttttgctc ttaccgggct cagaaggaca 420
tgtcaggtgg gaaacgtgtt tctctttcag agctgaagaa agggctctgag ctgcggaatc 480
agtagagaaa gccttgggtc cagtgactcc ttggct 516

<210> 1043
<211> 233
<212> DNA
<213> Homo sapiens

<400> 1043
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gaatcttcaa tataagatgt taaaattata aaggcaaaga tatatacctc atgttccatt 180
ccatatcctt cctgctgttg tacagtttgc tgcaaagat aatttaattt ggg 233

<210> 1044
<211> 297
<212> DNA
<213> Homo sapiens

<400> 1044
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<211> 245  
<212> DNA  
<213> Homo sapiens

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<212> DNA  
<213> Homo sapiens

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<211> 384  
<212> DNA  
<213> Homo sapiens

<400> 1051  
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<210> 1052  
<211> 382  
<212> DNA  
<213> Homo sapiens

<400> 1052  
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<210> 1053  
<211> 478  
<212> DNA

<213> Homo sapiens						
<400> 1053						
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gccggggggag	gcccctgagc	agcaggcacc	attctcgccc	tggcagggcc	tgccacttgg	180
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atgatggccc	agccaggtag	ttggctgtgc	ttccccagta	catgggggtt	tccaggatgt	420
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<210> 1054
<211> 469
<212> DNA
<213> Homo sapiens

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<210> 1055
<211> 363
<212> DNA
<213> Homo sapiens

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<211> 120
<212> DNA
<213> Homo sapiens

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<210> 1057
<211> 586
<212> DNA
<213> Homo sapiens

<400> 1057
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acctcattcc tcccatagag cctggccaaa tcacaggcgg tgggtcccctt atgggttccga 480  
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 <212> DNA  
 <213> Homo sapiens

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 aggaacattt ttatgccttc tcatagtggc gaacagcaac cacatcacca aaagtaaggg 360  
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<210> 1059  
 <211> 315  
 <212> DNA  
 <213> Homo sapiens

<400> 1059  
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 tgttccctct gcatttatct tgtgtagctg tgtttttgtc tcgtagtagg cgatcacggg 180  
 gatggacgct cggtagtagg cttctaggcg cttggcgatg gtcttggtgg tgcgtccac 240  
 aggcaggctg ctccggctcc ttttgagaag gcggttggtc atggtgtctg ccgagcagtc 300  
 catacagatc accaa 315

<210> 1060  
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 <212> DNA  
 <213> Homo sapiens

<400> 1060  
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 aggagctggg cattggagtc cgtggctgaa tcatgggggtc cccagagccc cctcccatgc 180  
 cccaattctg agggcatctg tctacagggt tcaggggcca ggtctctagc atttggagggg 240  
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<210> 1061  
 <211> 503  
 <212> DNA  
 <213> Homo sapiens

<400> 1061  
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<210> 1062  
 <211> 315

<212> DNA  
<213> Homo sapiens

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<210> 1063  
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 <212> DNA  
 <213> Homo sapiens

<400> 1063  
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 aaaagcttat gcttcaaacc accccataat gaaaactggg gagcctcatt gtccaggaga 300  
 tgaagacgag actttcaaag atggaatcac aaacggcgca cattgggtatg atgtggaagg 360  
 tggatgcaa gattacaatt atgtgtgggc caactgtttt gagatcacat tagaactgtc 420  
 ttgttgcaag taccacctg cttcacagct tgcacaggaa tgggagaaca atcgtgagtc 480  
 tttgatcaca ttgat 495

<210> 1064  
 <211> 225  
 <212> DNA  
 <213> Homo sapiens

<400> 1064  
 tttttttttt ttttaggagg agaaagacca tttatttctc caccacaggt gggactgtgt 60  
 aggttttgaa aagagcaatc gctggcatcc ctttaaactct tggctgactc ccaccgtggc 120  
 agccaatcag cagaggcgga ctggctcaggt tgcctgggca caggccctg gttggccgaa 180  
 gacaattagc caccctactg cccactccca acgaaaggga aattg 225

<210> 1065  
 <211> 288  
 <212> DNA  
 <213> Homo sapiens

<400> 1065  
 tttcatgctt tttatttttc gggtttattta atcttcttta acacagccat tgttggttca 60  
 acaatccaat atttgaggtt acattattgc aaaaataagg acatagctga atagggtatg 120  
 ccatcaatat gtttggttaat cctatccctt ttattaaaga caaagcacag tttgttaata 180  
 ttgtcttgga ttaactctat ttgtaagggt acttatagt gttcatacta aaggcagggg 240  
 atttgcttcc tgggccaatt gtcttttaac tataatttaa gaaatcat 288

<210> 1066  
 <211> 464  
 <212> DNA  
 <213> Homo sapiens

<400> 1066  
 tttattggac tgtagggttt tattaaaaca aacatttctc atagctctaa gcaaagcatt 60  
 agaattcatc aagcggactc acatcttttc tctgcacaga gagggctgaa aaggagaga 120  
 aagtccctta tgtatgtcta gatttggtta agcgaaggat ttcagcgaat gagtcactga 180  
 ggctatacac gtttgcaaat tgtaaggcac tggcgggcag agagcacaga taaaggactt 240  
 ctgggggtccc ccactctgtc cagcaacctc ccagctcaca ccttagcttc taccaagaag 300  
 ggtgaacaca gcatccctgc tatcttctact cagaccccag aagacacagg aaaccgcaca 360  
 gctccactcc caccataact tattaggaga taagtcacat tttatcaact tgccatcgcg 420  
 cctcctatag attatacttc ggtaaaccce atctgtataa attc 464



<210> 1067  
 <211> 308  
 <212> DNA  
 <213> Homo sapiens  
 <400> 1067  
 ctaaagtctt taatttyts tcacaaatat ttctgcatct ctcagtcctt tcttggtgga 60  
 aaaaggaggg ctagsatata atttstyaat ggcaactttta aaatgtrgct ttggtatata 120  
 gaggtaacac tgtacttcty aggtatgtya ataataamnty mmgggtataa tgggtgccat 180  
 attagagaaa atgaataagc attagtctca gcaaaaacaa aaattagttt ggmagtagat 240  
 aagctagaca tatcamamct gcaaaaammmt agcttcccag atagcgcttc tactatgctg 300  
 camwtycc 308

<210> 1068  
 <211> 308  
 <212> DNA  
 <213> Homo sapiens  
 <400> 1068  
 ctaaagtctt taatttyts tcacaaatat ttctgcatct ctcagtcctt tcttggtgga 60  
 aaaaggaggg ctagsatata atttstyaat ggcaactttta aaatgtrgct ttggtatata 120  
 gaggtaacac tgtacttcty aggtatgtya ataataamnty mmgggtataa tgggtgccat 180  
 attagagaaa atgaataagc attagtctca gcaaaaacaa aaattagttt ggmagtagat 240  
 aagctagaca tatcamamct gcaaaaammmt agcttcccag atagcgcttc tactatgctg 300  
 camwtycc 308

<210> 1069  
 <211> 304  
 <212> DNA  
 <213> Homo sapiens  
 <400> 1069  
 agacaggaac acagtgttta ttcaggcatt ttatttcctc cattaaaayg tatcatttyc 60  
 ctacataagga ttttgcatct tycccattgt ttattcttag acagtataca gttccaagtt 120  
 ttgctgmaaa tgggattttc aaattacatt tccaattggc caatgctata ttctatatac 180  
 agrtttbcta tatagtacag attttcatgg kgaactatta aacaaaacta ctttttgtca 240  
 tttctaatag ttttycaact gtttctcttg gatgtttgtc tctacaatca cactgctcaa 300  
 aata 304

<210> 1070  
 <211> 325  
 <212> DNA  
 <213> Homo sapiens  
 <400> 1070  
 gaataatctg tgctttaatg gaaaaatgaa acattaattt gtttagtttc tcatacaaca 60  
 tgtttactaa acatttcagt gtcaataatt ycttaagatt gtaacattta accttgattt 120  
 ggrgctaata ccaattctag ccatgggrgt atgttttggm ctttytgaac aattttgrgt 180  
 aaaatgaatg yactgtctt taaattgtac ttggrgcaaa gacaaagaaa catcagctca 240  
 ttctttccaa ctaatagaac atttaatgat gcaattytha ttacattatt ccaaggctat 300  
 tatcataatg ttaaattatt ttatt 325

<210> 1071  
 <211> 212  
 <212> DNA  
 <213> Homo sapiens  
 <400> 1071  
 ctaactttta tctttattcg gtggaatttt ccagcatgag ctttttgact accctacagg 60  
 ttcgattttg ttgctttaga gattggcagc atatcaattt gtctgagaa ctgataataa 120  
 aggggaagtga aatcaagcac ttaccctgcc tttcygtac artgatgagg gtattaagrg 180  
 ttaaaaacag gcacatatac aaatatttca tg 212

<210> 1072  
 <211> 308



ccagaccagc attccccattt caccacccct tactcctcaa gatgcaaata aagctcaggg 240  
ctgggcggaa gctggcaggg ctgtccacag ggaggacccc cgtgtgtctc tcgg 294

<210> 1077  
<211> 256  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1077  
ctccaacaat ctggaatttn attccatcca tatacatgca tagtaacaac atttgttgag 60  
aaattatttc tatcagaagt agaacattat ctttgtgatc accaggtgca gtattgctac 120  
tctnatattt aaatagatct tatatatgan ttaaattcat acttgcagca ttgagtttag 180  
ggtttcgatt tagactgtgc ctttcaaaag ataaaactga ttaatactac ctcattactt 240  
acaatactgc ttccag 256

<210> 1078  
<211> 305  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1078  
gctcagtga gattttattgt tatagaaggc aactaataca atagatttgt gggctcgaaa 60  
ttttaaaaag ttctaaaaag gcagttaaag cttgacaata aacttgagta aggtttacac 120  
aatatcaaag tatattagtt ctttgaaatg aaaagggtatt tttttnctnc ctttaacatt 180  
gagatgtctg agatgtcagg attttgtagc attccttagaa acaacatcca ctgtgtggga 240  
tacttttttc ctttctggag ttttaacca gtctgactct ttggttgtgc ctatacaatg 300  
aaaag 305

<210> 1079  
<211> 243  
<212> DNA  
<213> Homo sapiens

<400> 1079  
caattaaagt aattttattgt attcctccag atcagacata aagagcatct tgggaattga 60  
taccacaaca caatgttata caccattttc acaaccaggc ttgcattgaa ttctttttta 120  
aagaacatag taatttttaa aaatctaaat atttacatat taataaaaca tatatacaga 180  
agattgagac attatccata gatatggatt ttttttttgc taaaaaagcc tataaaaagg 240  
ttt 243

<210> 1080  
<211> 345  
<212> DNA  
<213> Homo sapiens

<400> 1080  
aagaggttaa ctcattgttt ttatttggta atcagaagaa catacaagta cttatgcatt 60  
actagatgct gggggaaaat tatacattga aggactgtca ggctcatctg tgcaataaag 120  
atttacaata aacacatcat taattttcct gagaacagct cagtatactc tgttttacat 180  
gaatccttat gatttaattct tgtatttggg gatatgatgc tatggcattt ggataacatt 240  
ggttaagcag catcttagag aacagaacac tcttcctcag aatggatggc cattctttta 300  
ccctgtgatg tacaatgca aattacaacc tgcattttat ctgcc 345

<210> 1081  
<211> 325  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

```

<400> 1081
aagatatttt acttttttnc tttaatcagc acatttcttt tgataaatag tcatgagacg      60
tgttctgtga gtcactacaa ttctcacttg gcacttgga cagtcgtgtt atatagggtt      120
accataactc tcagaacagg agtatattac aaacaagtgg agtagaacat agagaataca      180
taatttggtc taatattcct cttccttaga gccttcaaac ttaaaccaag ttgaaaaaaa      240
aagtttccca aattgaaaac attgcctatg gattatctac agaagagagg aaaataagca      300
accattttga ttccacaaaac caagc                                           325

```

```

<210> 1082
<211> 440
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1082
gaccacatca ctgctcagcn antcngccac ggctgcctga atggccccag ctcggccctg      60
caggggagac gactgcatgc cagtgcatt gacatcgtgg taggcttcaa gccaaagcctc      120
agtgcccgag aggtcatgtt ctgttaccag gaagacgata tctttggccc aataaatctg      180
cccccggaag tgggcagcca gtgccagcag cagccccaca gcctgggctg ttgggtagag      240
tcagagccac agggcacggg tgaggcacia gcgccttcgt gccgaattct tgggccttga      300
ggggcaaatt tccctattag gtgagtcgta tttaaattcg taatcatgtt cataggntgt      360
tttcctgttg tggaaattgt ttatnccgct tnacaatttt ccacaacaac attacggagg      420
ccggaaggct taaagtgtta                                           440

```

```

<210> 1083
<211> 325
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1083
ttttttttga atacatacca tactttnta accaagacaa ttcagctgtt tttccagagt      60
atatttcaaa cagagttggc atataacccg tatgtaacaa tattgctgtg attttagtca      120
tattttaagg tccaaaatat gttcacaaaa gaacagtttg tgaatgtcaa ccagtttttg      180
cttttatatt cttcaaaaac attccaccct gggcatncac actaatctac atcactgaaa      240
ataacaaaaa taattcacag tctcacctct atgtaaaaat tctaattgac tcaacaggga      300
aaggactgcc ctgctccttt tgagg                                           325

```

```

<210> 1084
<211> 188
<212> DNA
<213> Homo sapiens

```

```

<400> 1084
tttttttttg tatttcaagt ttaaacattt tatttcaaaa aataggctgg gaggaaaagg      60
gtttgcgccc ccacattctc tcttgggacc taacgatttt gcgccatttt ctaatgttgt      120
tttctctaac aattttcaaa gtcacatttg gattccttca gaattgtatt tgtcagctag      180
cagctcgg                                           188

```

```

<210> 1085
<211> 350
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1085
aatgagggna agggaggcaa actggactag aggggctagg agggaggcaat gctgggaacc      60

```



<211> 332  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1089  
nctatattttta ttctttttttc ttgcttaatt tagggtagtg ttgggataga agatacactt 60  
tataaaaagc agaaagacca atcattgagt tatttttagag acaatatgcc agatccatac 120  
cttttagattt aatcttacct ttttttttag tttctcttca ttcaagccga ggtagaaagc 180  
cagtgggtgga aagctgtggn attgcatagg ctacaaacat tgtattgtca acttgaaagt 240  
atagctactt ctaaggatgt tgatgttcat tgtaggtttt ttatttatag gtaggctaaa 300  
attaggaagg caacttaaag gcttcccaaa aa 332

<210> 1090  
<211> 398  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1090  
cattgtcata tgtctctgta atgggggtggt gggacacata gtgtctaaca cttcagtttc 60  
tctgctgctt cctctccatt gagaagccag tgacagggtt gctgtgaaga tgggagagct 120  
tctgaaccca cctcattaaa ggatgagaaa cccagggtcc gagagcaaag ggacttgacg 180  
gtggccgcaa gtgcttcaaa ggcagagctg ggattggaac ccagggtgtc atctcgatgg 240  
gaatgtccag cagtgatgtc caagtgggaa gtgaagacct gaaggctcaa gggacacagg 300  
tggctgacag tgggtcaaagg ctagggggca ggattcaggc agaggagctc ttaggggggt 360  
tttttgccac cctgtntgaa ctcccagac tntaccag 398

<210> 1091  
<211> 241  
<212> DNA  
<213> Homo sapiens

<400> 1091  
gaaacaatct ggggtattaca ggaatctact ttgtcaactg taaatttatg aaatctaaat 60  
acagatcaag tattttctgat gaaaacgtat gaactgagat atgctgttaa atgtaaagta 120  
cacaggattt tggaaatgta gtacaaaaag aatgtgaaaa cccacaattt taaaatactg 180  
attacacact gatacaatat tttagatata atgggggttaa ataaaatata ttaataaaaa 240  
a 241

<210> 1092  
<211> 223  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1092  
tttttttttt tggcggtttt atctttttgt attaaaaaag tagtaacaga cacaaatatac 60  
aaaaacacaa atgccatcgn agacgggtac agctgagaac gcctgggtcc cacctgaggg 120  
gcagcaccag ggactccatg gtccaccaac ctccccact ccagagcagc taggggctgg 180  
aacccccggg tcctgcttgg gcctcaggtc tcctcccatc tgg 223

<210> 1093  
<211> 469  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

```
<400> 1093
anaattcaaa cttttatattg gcaataagtt cagagtcaca taacacataa aatcaacatt    60
taaaataaat agcaaattca catctagaat aaataggtct gcctaatttg cattaattgt    120
gcctgatatc atacaggcac aatctgtcat tccacgagat aactggaaaa gtctccaaag    180
tcagagttca aacctgcagg actgaaaaca cacagaagca ctgtcgcagg ttgggttccc    240
cgaaagcaga tactgaggtg gagaatggcg tgcaggaagg ttcataggac agtgctgtgg    300
gctgagccgg ctgggtacag gcttgtcagg gagaggcact gggctgtaat gtggccacaa    360
tgaggtctca ctggacccca caaggggctc tggagctggg atggccccag aggttttccc    420
aagttggggg gaggaggcca gacctttgta ccccatatgg agccggtaa    469
```

```
<210> 1094
<211> 454
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 1094
agacgggctt ggtgacccgg acccggactc tgtgctcagg atcctcctct gtaggttggg    60
gtgatggggg aggctttttg gggacaaccc tctttttctt gtgctttctt accagctctg    120
gactctgttt ttcctccagt cttttgatga gtttgttgag agtggtatgt agagccagca    180
ttgcccgatc ccgctctgac tctttcttca gcccatctgg gtccagctct ttctctgtct    240
ccgaacggag ccggtctcgg tctgacggaa gcaggatccc ttccagttcc ttctcaaatt    300
ctcccagtaa ctgccgttca tctcatctt catcctcatc ctcatcctca tctcctctt    360
cttccatctc tctctggccg ttctggatca accctttcct tctncggggg noctctgaag    420
gaattctgga aggaataatc caaagggtgg tctt    454
```

```
<210> 1095
<211> 506
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 1095
taacataaag catttgttta ttattgctat actcaaggca aaatctctta attagccttg    60
ataatggaag tataaccaga accattattc atgaatttac attttgttct tttctgctgt    120
tgagacttca ctgtttcaca cacaccatct accccaagac ctttaataata caagaacaag    180
aagaattaac ttgaaagtca caaagcatgg cttgaccact tgcctagttc ctgactttag    240
gccaatcact tcccctctct gaacctgttt catcctgtgt taaaaaagaa atgggagagg    300
aagaggagag gatagaataa acctacaact gagataacac aggtgataac tgaaagaaca    360
tgaatgaaat ttactgtga ataaaaaata ttatataana taaagtatca ctaataacaa    420
ataggggttg tggagggtta aacagtctat gggtcctggg aagcctggca tgacagtagc    480
caagatctaa atcctggggg caggac    506
```

```
<210> 1096
<211> 396
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 1096
catggtacaa aaatgtttat ttaaattaaa tatttgcaac aaattaatat tgacaactgt    60
tccaaagtat gagttgttct ttcaaaaaaa cgaaacagtt tagcttaatg tctgtgatac    120
tgttttatga gattattcat acatgctctg gactgcatc cagtcaatca tatcatcaac    180
aatttactat ttattaccaa atggcatata aagtaatagc ataaagagta atcatacctt    240
```

ataagtgatt ttacaatagg acatcttaga aggacaaaaa ggatttatca acaatacaaa	300
acataagata aaaataatag gagattatat aanacatatt tcatacagga aataatatgg	360
ctaaaatcca aaaaaccaac caactgggtct ttcagc	396

<210> 1097  
 <211> 587  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1097	
tcaaataatc catctaacag ccatgagacc actcaagtat ttgaggatcat cagctgcgtc	60
catcaagaca tgatattgaa catggacacc atctgggtctg ttgggtctggt tttggtggca	120
aaggactcca aaaggatgca gttgtatgtg ttccagctga accacatacc atagctcctc	180
ttccctcaca aaagggtttc tctgggggga gaaaagtaac tgattatacc tctcatgtct	240
caaactgaaa ttctgagaag caaatggtca gttgagggcc ccattccaga tctgccggga	300
cgtcctcaga tgtccagagc tggcaaaagg tggagcaggc agcagctttg ggcaccagcc	360
tgtctctttc tgttctgata aggccacaca catggctttt tgtgataagc ttccagccca	420
tgccactgaa ataacgttta agaacctggc tgcatttcac agaaatagcg taatgggaaa	480
tcattatgta attaaacaaa gcatgaagct cattatcctt ttccttttaa caaaccttca	540
atttcacatt ttagtggaca ctgtggnttc cagagaatat atggatt	587

<210> 1098  
 <211> 446  
 <212> DNA  
 <213> Homo sapiens

<400> 1098	
ttaaccagaa aagaatctct ttaatatctt gtagccgtaa gactgatata actgaaaaca	60
taaccctaaa tttgattctg cagggtgcag ttacaacaca agttgaagtc acagccttgc	120
cggaactctt atgtaaagtt tagggcattg gatctggaag gagggggacc ctgagaatcg	180
taaagggata tttgggtgga cttgagcaaa tccaagaacc ctgaactgag gaagagcagt	240
gtgagtacat ggtcaggggc tccatgaata ttctgcctg caaccccagc ttcacaggca	300
attcagcctt ctccacactg gcccggcact ggctagctgc tcaccttatg gctcgaggca	360
ggaccccccc gcagccttac agctggagtg ggaagttgct ggaagttgta tctgtttatt	420
gcttttaagg ctgtcatgag cagaca	446

<210> 1099  
 <211> 402  
 <212> DNA  
 <213> Homo sapiens

<400> 1099	
ttcgacatat aaccaaagt tatttaatat cttaaaaagt aacacaatcc aaaatggata	60
tttcacacaa cactacataa acaacatgaa cacagtatca ccatagggag ggactttcaa	120
atatagactt acaaaaatcc ctctcctttt tttttctttt aagttattat actaagcatg	180
acaagtaatc atcatattaca gtatggtaca ctgacacgat aaaaaccatg ttacaaatgt	240
gctgttataa atcagtaaca ttagggaaga catttcatga actgtaatta tttcatatga	300
aatactatac aatataaaca gaacatccat cttgggatga cctttacagc aaccagagac	360
caagtaattt aaaatttttt ttcagtgcaa acacatttta tt	402

<210> 1100  
 <211> 438  
 <212> DNA  
 <213> Homo sapiens

<400> 1100	
gattaactat gtgactaaat tatattcaaa ttttatgaac agaaaatgat ataaatgtta	60
tcagctaata aagagattat caaagagtaa gcaacaaaaa caagtaggca aaaagcatca	120
gagagtaatt aatacaaaga tgatgttggt tttctggatt tcataatggt tatcatagtt	180



gtcaactttt ctcattcaaa aaaaccctta tttttatacc taattttaat taaaaatttt 240  
 tcagtttgta ttaaagagga ccccccaaat tatatgagtt tccaacttca taaaacctaa 300  
 atctgtcttt gttcatatca gataaaaata ggccacacag actgcccaagt aggtacagtc 360  
 ttggaactgt ctgtggtgct ggacccaagg ttcacttggg ctctctccat gggacttac 420  
 tggcccaagc caaagctg 438

<210> 1101  
 <211> 230  
 <212> DNA  
 <213> Homo sapiens

<400> 1101  
 cagtaaaaac tctttattca ttccttcatg tgacagttgg ccttgagtag ttacaaagac 60  
 agagcagttc ctgcctctca gaattctaag cagacattcc agagctcaca gatcagtgctc 120  
 ccaccagctg ctaccctgga agcttcaggg agatggggag cctggagtag gggggtgctg 180  
 caggaacccc cggcaggcag tggggccagg cttcacaggc acccagggct 230

<210> 1102  
 <211> 335  
 <212> DNA  
 <213> Homo sapiens

<400> 1102  
 tttgaaattc caattgtaaa tgggttctctt tgaaatactc agttttacat aaatgcttat 60  
 ccagcagcac gtcataaacc acagggccaa aacaatttct tgtcacgtaa acatggcggtt 120  
 ggtagctaaa actcaaattt agcaacaaat aattgttttc ataggactca taagataacc 180  
 ttaaattggt agatgctttt agggcattgg ctaattcaga attggtggt attataacag 240  
 aacttaattt ttgcaggcat ttaaagattt tcacgcatta tgtacctgaa ggttttgtct 300  
 cttaattttc ttgaaccac acctcttctc cttat 335

<210> 1103  
 <211> 425  
 <212> DNA  
 <213> Homo sapiens

<400> 1103  
 catcataaaa aacccaaaaga aatttttata tctcaaattg gtaaacttta caaaatattt 60  
 aacatatgag gaagaggtat atcttacaga attatttggc tatgtcataa ggcagtaatg 120  
 aagatggaat ttttcctatc ataaatctga cataagtga agtctataac atggtcattc 180  
 tccataaatc tgaaagcttg ttggttacag caatatgac atgccacact gtcgtcggtta 240  
 ttgaactttg atgaaagtag actgaatgag aaaggaacaa atttgggtgcc tgcacaaccg 300  
 tagaatttgt tctgaaattc taccagtgag aggcgtatgg cgtgaagaaa cgcagaaagc 360  
 ccttccatga tcagaaggat gaaaatggtc aaaactgcaa agagcgcgat aaccggggagc 420  
 agtag 425

<210> 1104  
 <211> 440  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1104  
 gtttattaaa ccagatttat tctccacaag ctgaagatac ctgaggttac atgaggactg 60  
 gcattaaata atttataaat gtatttttga ctgacagact tttatcataa ggattcatgt 120  
 gtttacaaaa gcaaaatcca acctctccag agctagaaag tgggaagggtg cccgggctgc 180  
 aacacagcct tgggggagga tgaggccaca taattctctc tgccacact ctcagaatgc 240  
 cccaagaagt tagtagctac acaaagccaa gccttggggg aaaacctggt ccgtggtgtg 300  
 gactctccaa aatgcagacc caaccggang cggggcccgc ctttccatct ggaggcactg 360  
 cagggtttct gaaagcggcc catcccagga gcctggcaaa cacccccaga gaccctcagg 420  
 atgcgagcc cgggggcttt 440

```

<210> 1105
<211> 276
<212> DNA
<213> Homo sapiens

<400> 1105
ttttttttttt ttttttttta agagtagtta aaatgtgttt attcatttac aaaccagta      60
acatgagaag aaactcagtg gaaaccttgc ttggtggaga cagtgcacag tgtagtgcc      120
acattcacag gggcagaaat gctcggtcac cctgtgcacc caaagtcacc caggatctct      180
agaaaagatc ccacttactg aagtgcctcg gatgtcttca gggccagatt gtaactacac      240
aggaacaggg aagggctaag cttgaactgc acactg                                276

<210> 1106
<211> 529
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 1106
ttttttgact agaaagggag cactttaatg aacagaagta cagacgtgct ggcaaggatg      60
gaaatctcca ctggttcctg gcccccttca cctccatgca tccccagcat ggggtgtaat      120
cattacccaa gctctcgctg ttccccctca cccctgcag agtccagcag gtctagatac      180
gtgctctttg aaatgtgttc tgggattaaa aatggtgccc tgaggctgtc taaccctcac      240
aaaagacaga cacatgcaca cacgggcctt ggggagggct gtgtattagc agtcagggtg      300
gccctcctgg gagagcttgc tcaagaactc ttctcggaag gaaaccacc ttaaggtagg      360
gttctgatag gcagantccc agagggacag ccagctgcta gaagatgggg ttatccaggg      420
tttgtaaggt ttaaacaacg ggcagggagn caaacgagtc aaatggtttc ctcgtagcga      480
ttttggctcg aggcaaattc ctatagttag ngtattaaat cgtaacatg                    529

<210> 1107
<211> 610
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 1107
tccctttctc cctgtttccc tcccttcttt ccttccttcc ttccttcctt ccttcttaga      60
attcactgaa gtatttctta ggtagccttt tacttactac tttaatcaaa gcttatcttt      120
gtgcccaatg tgtaaaaagt gaaaatgtct ctcgaaatt ctatattaca atatagacag      180
agaagttggg ccttgagggc ttgagtttca cttaaatact atacacatgt ggtatcacac      240
aaggtggagg gggaggggaa aaacagaaac ataacaatta tttttattct gtctttacaa      300
aagaaagcct cttctctatg aaaaagtctt tttggcatct gctcccgga acctgccccg      360
agaacacgtt cccattgct ttgcaagcat ctctttttaa aagcacanca ctgtccccgg      420
gagtcacgta gggttgatta anctgtctta gttgaccaac gaagaancac tggatgagtt      480
ttccagggat gantggttgt ctgggggtga acatatagtc ctgtctacaa caaatgtaac      540
tcctgatatg ggacnatgaa cncagtgtgt gaccaggag tgnttgatct gtnaacantc      600
gcatgnaatt                                610

<210> 1108
<211> 381
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 1108
tactgaaata cacagattca cttcagctca gcgtttactg agcatctgcc atagggcact      60

```

gtngcttgga gctgggattt aaacagctcc agtccctggc ctgcacagaa agtgaaggcc 120  
 agtggggaca ggcatgtaag cccgtagcag cagcacaccc ggccacagcg gccaaagtga 180  
 gcaagtactc acagaattcc agggcgatgc caagaggctt tcagaggggc caacctgtga 240  
 gccagaactt tgaagggacc aacggatttc ccagatggg acaaggaaca gaatgggtgt 300  
 tattacccaa ggcaagatta aagtgttatt gggaaggtn acagagggcc agccaacatt 360  
 tggggcacac cacaggggca a 381

<210> 1109  
 <211> 330  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1109  
 ttttaagaa tacggcactt ttaataggcg gcagccccag gnggtgcgtg gacagaccct 60  
 gtccacagcg cctggctccc gtgctgcctg tccttccatc tggaatgcca aacagaagct 120  
 cctctcaggt ggcatctggg gagtaggtcc cagtcctgaa atatacaaag tggcgccctc 180  
 cactgggcag tggctcactgg gctgcacggc cttttcaagt cctaggggtg cccctcaggt 240  
 cactgcttgg cttctctcac aatgggtgcc cacagcagag atgacgggtg tcttnggagc 300  
 cgctgggctt ggggtgggtga ccgtgacaac 330

<210> 1110  
 <211> 350  
 <212> DNA  
 <213> Homo sapiens

<400> 1110  
 tgccttggtg cctaggctag tcttgaattc ctgggctcaa gagatcctcc catcttggcc 60  
 tcccaaattg ttggtgttaa aagcgtcaac caccacacct ggctgtcac ttctttatca 120  
 tgtaattttt catctaaaaa aactatcact gaaaactttt ttaagtataa tcaaattgagt 180  
 tcaactgtca cgtaaggat gccttgaatt cttttgattt tctagttcca atttctagct 240  
 ttaatatctt caaatcacc tgcccaagtg ggtgtgtgtt ttacaccct ctctggggcc 300  
 tttaggtttt ctgctggggg gaaccagga ccggccaggc ccaggcacc 350

<210> 1111  
 <211> 258  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1111  
 ggaattttta ttacaaaata aaacacaagc atgataaact aatgctggaa tatatcattc 60  
 taatttaact agagctaagc aaataaaatg caaatgaact atgtaagnaa cagcatgcag 120  
 ngaaacaagt ntttaattca gtaacaagtc tccatgcaaa cgggaaagggt tgctaaccnt 180  
 atttgcaaaa cactgcatca ctatctacaa atggcctcta ttcatatcaa gtagnngctga 240  
 cttgaacttt ttaacanc 258

<210> 1112  
 <211> 379  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1112  
 gaatttttct gttgtgttgc tgtctttaat aagtgaacat atgtttgcat ttgcacaagt 60  
 gtattaaact ctaacatgca tattgacaag tgtacatata aggtcagagc tcaaggaatt 120  
 ttcataagct gaagacacca tgtaaaactt acaaacatta aaaagaatca accagcacc 180

```
cagtagcctt cccttctatt ccctttttta tccccaccc cttccccagg gggtatccct 240
acctcctgga caaaaaggat tgggggtttt cctctctttt ggtactttta ataaatgggg 300
gatccataaa ttatgggggc ctcttttttg catgggggct tcctttggac tccaaantta 360
tgggttnccg ggggactcc 379
```

```
<210> 1113
<211> 319
<212> DNA
<213> Homo sapiens
```

```
<400> 1113
tttttttttt aacaagtgac tagtgtttaa tctcagaaac atttgcattc agagtacgtt 60
cccttagaat tttctcctct ccactccatg aggagtgggc atgtgcttta ttatatcaac 120
aagactaaga agccgcaccc gagtgggtccc actcaaaaaa gagatttctg tttctacctc 180
aaaatgcaga aaccactaca gattaaaaga gaaacacaca cagacacttt gagaaactcg 240
cccttcctca tcttcaaagt gtgggggtat gcattccaga tctctcagcc tgatgggaca 300
gcttggaag tggaagg 319
```

```
<210> 1114
<211> 334
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 1114
tttttttttt aagtatatca acaaagtga agatgggttt aatttttccc aaaaaagtt 60
aaaagaaata acagcagttt tagaggaaga nggaaaaaat aataagaaa ttacatgcag 120
ttgcaaaatg tgtgactatt tacaaactct aacatataac tacaaaacgg accagaagaa 180
tcattatcat aggaagcaaa gggtcatttc aaaantcaga ggagggatga ttcataattta 240
atttaattct gtgggaaaac atttaagtaa cttttgagga caaaantagg tgatatgttg 300
aaatgcggga aaccacagtg ggaagggaaa aaga 334
```

```
<210> 1115
<211> 496
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 1115
tttttttttt tttttcttta ttaataaatt ttatttttag cacaatcatt tacccaaaaa 60
gagagtttga gaatgttcga gaatctctac cactcggtaa ccatgctggc tgttatatca 120
gaaaaatcca taaacataca cagcagcgag ctgttttcac aagacttcct gctaataaac 180
acaacacttt ctctccact cagatgggag cctcagnatg ccaaaacggc aggatgtgcc 240
aactaactat agggctcgtt gctaaggcag gaggaatct attcaagttt gtccaggcaa 300
attcgattgt acagtgggga tgggcgtctg cttctgcggg ccttgggaca ggggaggcca 360
ctgggtctnt gctggctgtt cccctgtagg gcagggtcga ngctgggtng gccctttagg 420
agggaagg ttaaaatggg tttntcatgg gggtttagga acataagggg ntttttgagg 480
naaaaattgn caaatt 496
```

```
<210> 1116
<211> 467
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 1116
tttttttttt tttttttttt tttttttttt tatgtgttta tactcaattc ataaatggac 60
```

tgtcttacaa	taaaggngat	aaaaaatctc	tgttcnnttc	tttttgcttt	tcacactttt	120
ttccccata	aaaacccact	gcagtcata	tcagtagtta	ggggggtggg	ttgggttaac	180
acattctggg	tgctcactca	tgaacatgcc	aaagctatac	tgcaacacta	gcctgaattc	240
aacttagagt	tacctacca	tcaaaatcag	gtggctggga	cgttcttttg	tctctgaaga	300
ccaaaacttg	aaaatggact	gactttagt	gggaaatttc	cttctgcgac	agtcattgtc	360
atgggaactt	tcctggggct	ggggagtctt	gttcagccaa	attcagtctg	ggcagcaccg	420
gggagcaaat	tcaattcatg	ggtttgtcca	aaagagtcct	aantttt		467

<210> 1117  
 <211> 377  
 <212> DNA  
 <213> Homo sapiens

<400> 1117						
tttttttttt	ttcctagata	caattccttt	attatcatta	tcattgcccc	tagcacatga	60
agctgggctt	ccacctagat	cagctaagga	caggggtatg	tttacaatga	gaacaatttc	120
tctatgcgca	ttaggttaag	acctcttctc	tgtttctaga	atactgtgat	gactcacatc	180
catgggccag	ctgcttcag	ggaatccatc	tggcctcaac	aacattgggc	tgcttgggaa	240
taacggctct	ggcacttgca	caggggcagg	ggtatggggg	agcaggcctc	aggtttatta	300
aggcagggac	tggggcactg	ctggaaatag	ggggaagggg	gggcagccaa	catgttagcc	360
aggttcttcc	ccaaggg					377

<210> 1118  
 <211> 439  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1118						
tttttttttt	tttgtgctta	gccaaagattt	attgaactgg	atgaatgaat	caatggcttg	60
tggaggggtg	gggagtgggg	gggcagttag	agaccacaca	gcacacagaa	tgtctaacta	120
acttgaggaa	ttccagttgc	tgaggaggat	gtaagcagat	tgtttcagag	atggataagg	180
aaagagatga	ctgggacagg	gtaggaatca	tggctattca	tgggtactca	ttctatcctc	240
tcagtcaccc	tccacatcca	ataatcagtc	attaagttat	catcttacct	taacagttca	300
caccttaaca	cctccaatct	attcctactg	ggcctttgcc	ctaggtgcag	ggcctcctgg	360
ggtctttttt	tccagtctcc	taggctaate	ttgttcactt	tccatttcgg	ntctcttcac	420
aaatgggatt	cactcangg					439

<210> 1119  
 <211> 426  
 <212> DNA  
 <213> Homo sapiens

<400> 1119						
tttttttttt	caccttattg	catttttaaa	atctttattc	tgtagtgaat	tggtattccc	60
aatctgccta	agcaaaggca	tgcccttcta	acaagatttg	cttagagcag	aggtgataga	120
aggaagaatc	cgaagaccct	ctggcatggc	aatctgggag	cagcacattg	ttgatggagt	180
ccaagtgagc	acatttcaca	caattcattt	agtgacaagt	gggcttgctc	ccttttcac	240
caggaaaaaa	actactcaca	gaccactgcc	cagaatctgg	aataagaacc	ctcattttta	300
ggtattcttc	ccaacaaata	aatatctaaa	tattgaaagg	gggcataatc	ggaaaactta	360
aaaggacaca	tttaaccaa	accaaacc	tttttcaaaa	caagtaaggc	atgtctgtat	420
ttagtt						426

<210> 1120  
 <211> 465  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature

<223> n=a,t,g or c

```
<400> 1120
tttttttttt ttattaagca acatgtttat tggcgttgat gcagagactt acacaagtct    60
tcttttttaa gagaaaaatt acaagggtatt caagttacga ttttttagata atctctacat    120
ttgagacatc aaattataaaa aggtcagtggt taccatcatat gacatttggt ttaaaagtgt    180
aaagggtacc aggggttgca gcttttaaaag atatgaatgt cctggggcctt acccctttgg    240
gtgtctgagc tagcagctgc agagaggggc ctctggaata cacagtatat tttgctatcc    300
cttcaagtta tttaaataacc cggaaacaca aaggggtttt cccttagggg attgtgttga    360
ttgggggctn caggggnttt aaacccggac caacnctcgg tcttgggggg ggattgtntt    420
ttcaacgnng ccattcttctt gaggnccccc ttctactntc cggggg                    465
```

```
<210> 1121
<211> 399
<212> DNA
<213> Homo sapiens
```

```
<400> 1121
tttttttttt ttttttttacg ctttttactgg ttggtttaaat gagagagaac cacttttggc    60
cattatcacc ttacgttact acaaactctg aaaggaaagc agctttgagt cttgggctcg    120
gctgaacccc ctgcatggac cggggctaac agtaccctct acgactccca caggctctctc    180
tttgtgtcca gatggatggc gactgtgagt cagcaacgcc agccaaggac ttcctcgct    240
ttaccgtggg cattggggca gtttttcagg ctctctacag agaggaggaa gtggggccag    300
taaggggaga ggggctagag agaggacacc agtttacata ggggttgact ttcacttgtg    360
tgtagtagca gtttcaggaa ttttaaaaag aaatttttcc                    399
```

```
<210> 1122
<211> 314
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 1122
tttttttttt ttttttttttt ttttttttttt ttatanacag ccgtcttttt attttatcac    60
aataggcaac aagatgggnc tgggttttggg atatgttacc atttgtgttt aattttccaaa    120
gacacgcata ttagctcaac tagtgtaaac ctgtgaaaaa atagctgagc catctttttc    180
ctctcctctg ttaatttatc ttgaaatgtt cacagcttag gaaactacag cctgctgggg    240
naagagaggg gagtggggcc ccattggggaa aatgtcccag nctcgctgga aatagcctca    300
ccccagnagg ggtt                    314
```

```
<210> 1123
<211> 444
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 1123
taataaaaaa ttattgantt acaagtgatt atttatcaaa agaccattaa tagcaggtac    60
tgaaatgatg tgttactggg tgggtgctggg agactaatag gaaatcaatg cagctggccg    120
gccagaatgc atatgagaag cccacccccc ggcagccagc gcaatcacc cgcgaacaca    180
cgccaggngc caccctggc gcaatgaaaa gttccccctt tttatttatc gtttacaat    240
gaaataatca atacttttaa tctagagcaa aatttattaa ctttcccatc ggagagagac    300
atnttgactg ggggagagag tggggtntgc gtgctgtagn aagatgggat ggctgcgtgg    360
ccatataccta acctgtccgc gaggcagttg cacctgcagg ctgncctttc cagnctacgg    420
gccggggcca cngggggcaa gttg                    444
```

```
<210> 1124
```

<211> 212  
<212> DNA  
<213> Homo sapiens

<400> 1124  
tttttttttt ttttttttta tattatttta ttttttattc aattttaata tggtttccat 60  
tattaacttt taaaacaaaa tgatttccag tttaaaaaac aatgcactga ccacataatt 120  
ccttttttat tttacacagt tatacaaaata ttctaaatac acattttgtg ttcaagatga 180  
tggcaaatag ggattaactg tacagtacat ag 212

<210> 1125  
<211> 424  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1125  
tttttttttt ttgttttaac ttcgttttgt tttattttac attgttttag gagcttacac 60  
aatcagttct cccttgaatt taaggataaa acttgtcttg tttataggaa aattggtctc 120  
attggataag atcaaaacaa atcctatata tttttgtcct agctgtcagg atgttcagac 180  
ctaacttagg cattcaacta tattaatact tcccagatgt cagccacatt catttgctg 240  
ttatttttta aaattatatt aaaattatgg cggtaaataa aaatgtactc acattctcat 300  
catgggacga tgggttacgg gtttaggctt gtaggctagg tggaaaggcc aaatttggtg 360  
ggaaaaggta ttggccnttt atggggnggc ctggtttcta actaggcctt tggccaattt 420  
tttt 424

<210> 1126  
<211> 397  
<212> DNA  
<213> Homo sapiens

<400> 1126  
tttttttttt taatgatgtt catttattta aacgatctgt atgaatttgg tgattttgtg 60  
gatacgcccc tgacagacaa ggattcacag ccgacggaag tcagggaggc tccctgcaaa 120  
ttcttcatct ccgcggggcc tgcccagacc ctgatcctgc agagccgtgg ggctgaggta 180  
gccgcgggtt gtggtccagg gagtgcgtct ttctggatgc ggggcacctt catttcaccg 240  
tagcaaccgg gtacaaaaag tagaagcgga tttttgaaa atgagtcatt aggtcccaaa 300  
gagaacctat tgcaacatgg gactccataa cgttcttgag gatcatcctg aggaaactga 360  
tgttctctcg ttagacaaaa atggcacgat tttgctt 397

<210> 1127  
<211> 413  
<212> DNA  
<213> Homo sapiens

<400> 1127  
ggttgtcatt tattgttttc aacactatct tcatgacctg tttgtgttca gagggtctca 60  
cagataagga aacatttttg cccagtctta agttcatgga agataatagg aagagtaatt 120  
aactgcagca aaaggtttag acaaaacatg gcattatcag ggcttgaaag gactttattg 180  
tggctgtggt gaagcaggcc ctgggtcttg gcagatgata ccagaagggc actgagtgca 240  
ggcgtgcaac ttgaatttga tcccataaag tcagggcatc aggaagccat tcagaatttt 300  
tcaccctgtc agatgctcag atttgctagg agaactctgg gtagtgggca agaaccagag 360  
ctgttacttc aggaattggg gacagagggc atttttcccc aaaaaaaaaa aag 413

<210> 1128  
<211> 340  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1128

```

ggtttccttt ttggtttatt cttggattgg gcctaattta ttttttatat ttcaaaaatc 60
tttcattaat aattattcca ttaggggttta gtaactacag actcatttac taatgattta 120
ctatgatacc ctaaaaatag agaaaaaacc ctagaatatg agcgtatgca agtaagtgca 180
atttaatat tgaattgcag aaaaatttta aacaagcttt aaaaatatct ctaaaaggag 240
gcttaaagtt aattgctgta gcctcctgtc atccacagag aagncaaaat tttaaaaaca 300
tcaaacatac tcaaaaacag ggcaaggctg gganagggtta 340

```

```

<210> 1129
<211> 333
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1129
nacattgtat ttattttcat gttttacctt ctattgatgg caaatgagac tggttttcca 60
tttacagaag tgatacaaaa gattcctgtt gcaataattt cattaagtga ataatgagcc 120
aatttaaaga aaaatataaa gcaaataatt ntacagatgg naaactaata tggcaaaatc 180
actaatattc aaggctgaag tttggccggg catggtggtt catggctgta atcccaacac 240
tctgagagat ggggatgagt gggctctctc gagcccaggg nttaaagac cagcctgggg 300
caacataggc aagaccctgt ntctaaaaaa aaa 333

```

```

<210> 1130
<211> 449
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1130
ttttttttcc catcttaaaa cagtgnaaac aggttaactta tgctttttaa acaccacgac 60
cccttcccca ccccccaaag tccctttcct cctagtatct gggggaaaat ctgcaattct 120
gcaaatgtta ctgcgctaga ggttgcaagc agcggagAAC tggctgaact tggcaaaagg 180
caaggactgg tcaaagcttc ccctttctcc tcttaaaaca tctaagtgtt ttccagtctg 240
tcccttggtt ggccttggtt tccctgccaga gggaaggggg ttcattcatgc ccttcttgca 300
tatccttggg gttgcttcca tccctgtttg atgtctccct catgtctggg aagctatata 360
actagttaca ggatggtagt gattaaccca cttattctgg ctatgctctc agtaaaagca 420
taatttttaa ggttaaggag cagtttagg 449

```

```

<210> 1131
<211> 398
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1131
ttatangcat tacntnttta ttcaagctcc acaataacgc agcaaaatac atactgattt 60
catatcacca gcgaaaaaac cataactcaa taagtttagg aacatccaac taggagtggA 120
tggaacaaaa cctaggcttt gactccacac accacactct actggatcag gagaatactc 180
tgatgaggtc tcatttccac ttgagtttga agagcctgtc gtttgggatt tctaggaata 240
tttagtctaa tgattattcc tttctgtagc ataggatgat gccctcaca aacagccagt 300
gtgggttaat tactacacag ctgtcagctg ccatacatcc taataccnat tatttaatat 360
gcagttaaca cttgggngct tggntgcttt acaatggc 398

```

```

<210> 1132
<211> 446
<212> DNA
<213> Homo sapiens

```



<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 1132  
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 aagggatcgt atccacagtt attcttgtaa tcaattagcc agaatgaatg gatgttctca 120  
 acagaattct gggacaagaa tgaatgagtt cccacatttt ctgggttcag taaaaatgaa 180  
 ttacagactc aaaattctga aaaagagatt accattatcc aacaatgggt aaaatgctca 240  
 cctgtagcta gtggaacgga tacctgaaag aactaccac aggaagcacc ccagagaggg 300  
 gaggtatttc tccagagaaa acaggggtgc tcatgtcaat caatggacaa caggcatggg 360  
 aactgcaaaa tataataaac gttcattata atgagttcct cttaagcggg cccctgtna 420  
 ttaaatgcc a gttctgctta tngaaa 446

<210> 1133  
 <211> 357  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 1133  
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 atggcgcatc ccaccatata aattttcggg acagttattt gaggaatgg gtgtagcttt 120  
 ctttctaaaa gagcctgact ttctaaaatt ttggttgat tttttttaac tttataaaaag 180  
 tacttttaac aaattaattg aatatttaca tttctagctt aaatttaaat tttggaaaat 240  
 aagcgtctat tagtttattt ggcttctttt aaaggattcn ggggtttatt tttccagga 300  
 cccaatccg gatggcncc ttattccgga taccngctcc ccacccccca ccaccac 357

<210> 1134  
 <211> 410  
 <212> DNA  
 <213> Homo sapiens

<400> 1134  
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 tggaagacag acctagctgt ctgtcaggta gaatgagggt gaaggagatc taggatgctt 120  
 caggcattgc gcttgaactt aaaaaacagg atcagcaggc cctgacttca taaggcccat 180  
 aaatacaaat gactagctcc ctttctcaag gtcattgaaa atatacagta gtttcagaca 240  
 tcacatgggt ttgggcaaag ggggcagatt tccaagctag gtcacttaat ggtatctctt 300  
 gcctcaaaat agtcccatca aactaattt aaattatttc cacttttgtt ttaaagctta 360  
 aggttctact cactggacat taatttgagg ctaacagcaa tgtgttttgc 410

<210> 1135  
 <211> 424  
 <212> DNA  
 <213> Homo sapiens

<400> 1135  
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 caatatatta tgtacattat aaaacacaca aaaatagaaa tttaaaagga tgagattaaa 120  
 taaaaataat catcttaata cttcctcaat ggattgatca tctccacgcc cctgggatgt 180  
 atacaccccc acctgaaaca atagccctaa agtatgtcaa tgattgttat ttgggttttc 240  
 agctcagggt acagaaatat gtacaagatc gcatcttttt aagttttgca aaatagccct 300  
 agcatccaag tttaaatggg atgaggaatg cttgggtgct aacttcttga ggacatattt 360  
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<210> 1136  
 <211> 340  
 <212> DNA

<213> Homo sapiens  
 <400> 1136  
 atctcagaca aacattatgt atctttatct aaatttgcaa atgaaaacaa cacatatttc 60  
 atgttagttt taataagaga ttccctatcc tctgccccag taaaacctaa ccaagccagc 120  
 ctgacagggtt atatcaatac agggagctgg agtgggagcc aagggtggtg ttagataggg 180  
 gtggggtaca gatcaagggg gcctgggaga ctgagtact ggaagtctct gccctcact 240  
 cttgggtgag tagctaattt cagcagctgg cttcataagg aggagtcagg ggtgggtgga 300  
 ggctcctccc aattccagat ccacttctc ttctccttct 340

<210> 1137  
 <211> 416  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1137  
 ancntttann nnttccaagt cattagcttt atttttactg aattcagcat gggatgacaa 60  
 aaatgcatta tatcactacc atccattatt acatgtagac atttatcctt gtattcctta 120  
 tatgtccatt ttctacgtta aatctgttaa ccaatactaa ttnaaattac atgatttcct 180  
 actaaaaata tgcagttcat ataagcaagg gcaaataaat cctccttaaa acattttatt 240  
 cttttataat tgaggaactt aacagtctta atgggctagg ttcttaaaaa atgtttatag 300  
 ggnttaagggt ttatttaagg ggaggccggn caaacaaaac atattgtaaa actaggtatt 360  
 ttcccggagg ccatttcctt tctcttcctt tcttcccggc aaacnggggg ttttta 416

<210> 1138  
 <211> 347  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1138  
 accaaacaaa anctttatta atgcattgac aatcagtga gacaatgaaa acccaccact 60  
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 ctatgggtgt agtgtcacgt ctaggcgtgt agtaatccag tcttcggcct tactccaggg 180  
 agaaagattc agctttgtta ctttcagtc actctctccc gtaacacagc accttgggca 240  
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 acagccatcc caacgggtcc tnccagctc ccgcgggatt ttttacc 347

<210> 1139  
 <211> 367  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1139  
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 aaggggctgg aaaatttggg cactgattg gtcagggtaa gggagattga atcattagga 120  
 tatggaaatt gcattctttg atgatttagc ttctggtagg gtccttcaga ccagctgaca 180  
 tcagtagttt catcagtatg caggacctga aagantntct cgaagggaaa acttagcatt 240  
 tcataatgtt caagctgtta tctntagagg cagttaaggg gaactataat cttntaacag 300  
 actccacata attctgaagg caatagccna acaactttga gggaggggtc agccagcaaa 360  
 gtgacct 367

<210> 1140  
 <211> 260  
 <212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<223> n=a,t,g or c

<400> 1140

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tccacatgcc caagtcacaa aatgtattaa atatgataaa gtagcggctg tacaaaattg 120

gacaaattga caaataacaa tgggtcagga acactgtatc tgtttgatac aggagtgata 180

ttgaaaangg gttctgtttt tactttctct tatttgtcat caaaaangaa aattgcatct 240

tccataaaca ggattccagg 260

<210> 1141

<211> 192

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<223> n=a,t,g or c

<400> 1141

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tgctaagttc tgttttattt catatacatg tccattttat atcacaaacc agtaaaaaaca 120

tacaaattga taaatgtata ancacattgc acatnggggt atacatgtgt tatgttgggt 180

cataatgtat at 192

<210> 1142

<211> 353

<212> DNA

<213> Homo sapiens

<400> 1142

taaaatgatc ttacaatgtc aacatcaatg ttaataaaaa tatataatag gctgaattca 60

tcaatgatag aataagttgt aattcacttg gaggttccat ctttcaaagt aagcctttca 120

tagataaatg aaaatccttt attttgtaga atttttaaaga ttgttaaagg ctgggtcaag 180

gcaaagccac ctctattaga aggggaaaga aaagcaagat gaaacaaaat atgttatcat 240

acatatcgcg tgtgctatga gcatctttct actcctgcca gattgaaaat tctaggtttc 300

aacattcttc aggatttaac aagtcaaaat aaaagccgga attcaaactc agg 353

<210> 1143

<211> 328

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<223> n=a,t,g or c

<400> 1143

ttataaaacca ccatttggag ggcttatgag caatgtaagt ccacctcatc taattaaacc 60

acattgtttt aaaagcttga acagttttca tgctataag acttgtctga ataataaact 120

gctagagcca gaattctgag tgtctttgga gagccagggg ttttatctgc tgagcgcaag 180

gggccagggc actcaaagag ttaaagagtg ttcccgcatc gctgggtagg gttaatatca 240

cagctgcctg ggnaaaggca ttatccccgt acctcacttt aacaaaagcc tccttttggc 300

aaacagactc ccactttccc cgcaaggt 328

<210> 1144

<211> 355

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<223> n=a,t,g or c

<400> 1144

gctaattaat agctttttat tttctcattg taatattttt gagctccaaa ttattacagg 60

aaaattatgc	cctaaactcc	aactttttctc	ctatcttttt	tcggatgttc	tgacacaatg	120
acaaactgag	gcaagacatt	aagcactata	tcatctgcc	gtctgtttat	aggngtacct	180
tcaattcttg	aatgttctaa	cttctaggca	gcagantaac	aaaagggcaa	ccctggggct	240
tgggcaggct	tcaaacagg	aaggaaagg	aaggggctaa	ggtacctagg	ccaggcatag	300
gctcagggct	ntggaaagg	caagggcatg	ctaggggaaa	aaggggagaa	gntgg	355

<210> 1145  
 <211> 220  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
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cagctgaaaa	atatttagat	ctacttgctc	taagnntaag	gncaacatta	aacatttctca	180
gatgaaaagc	ttgctggatg	aaatagtgca	ccatcagaat			220

<210> 1146  
 <211> 319  
 <212> DNA  
 <213> Homo sapiens

<400> 1146						
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tgtgggggaa	aacatttcttt	tatacaagga	tttttaccta	gctattacaa	tagtttaagg	120
taatgtacaa	tatatatttg	acacagagag	tgttattaga	tgttcgcact	gcataaaatg	180
aatcctctag	cctttgatgt	cttaaaaaga	agttttacaa	ctattagtga	agctaaggca	240
ctacatattt	tccttccaca	atatggattt	gtgtcattta	aactgaagaa	gttggatctt	300
tgtggtgatg	acaggggat					319

<210> 1147  
 <211> 299  
 <212> DNA  
 <213> Homo sapiens

<400> 1147						
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catgagtaaa	cagagatggc	cggtgggtaa	atatcttgcc	aaggtgggtc	cttgtattaa	180
gccttttgag	tctaagatga	caaatcccta	ggggtcagg	ggtttttccc	gcacgaactc	240
ttgtcaatga	gaaatccctc	agcccccttt	gtcttggggtc	tcacagctcc	agaagggtga	299

<210> 1148  
 <211> 362  
 <212> DNA  
 <213> Homo sapiens

<400> 1148						
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ctcttcccc	atttggctgt	ggaaatggag	aaacacagtc	acctctgaac	ttctaaacct	120
agaaacagaa	ggagactgta	cacaggggaa	tacagaaggc	agtctgggat	gatgtcacta	180
tagaatgact	gatgaaaaat	gcagattgac	tgttctgacg	ctggcttagg	gcctggggct	240
gaagctgggg	accttgagca	aggccctttg	actcctgtga	tctgtttgcc	atgttgccaa	300
tgaggaatag	gaacctgctt	caaggatctt	atgaggacca	ggggaggagg	gggtatggaa	360
ag						362

<210> 1149  
 <211> 342  
 <212> DNA  
 <213> Homo sapiens

<400> 1149						
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attaaaccag agctgtgtga aggcacttaa ttggggagag gtggggcagg gatcctggta 120
gagaccaatg tttcccaccc agaccccaag actgctggga gagatgggtg cagcagtgc 180
tcccaggaat atccagtggg gtgggtggcc atcccaggcc cggctgggag tatggctggc 240
ttgctggggg atgtgatgat ggtggtaggc atgggaggca ctttggacgg gatctgattt 300
ggcaaaagga agtggtttcc tgtccccagt gatttccagc cc 342

```

```

<210> 1150
<211> 415
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> n=a,t,g or c

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<400> 1150
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agcctccgnc tcccgggttt gagegatect cccatttcag tgtaaccacc attcttatct 120
ctatcaccat agattagctc tgcattgtct tgaacttcat ataaatggaa tcatgcatag 180
ataggctctt ttgtgtctgg attctctctg ttaacactgt gtctgtgaga ctactcatg 240
ctgtgtgtag tattatgctt catccttttt tgttgttgca tagtattcca ctgtataaat 300
ataccacaat ttatttgtct gttttcccaa ttgctgtgca tttggggatt gttttggttt 360
ttcacctatt ttggaataag gctgcctagg gaccaccctt ggtatagggc ctggg 415

```

```

<210> 1151
<211> 460
<212> DNA
<213> Homo sapiens

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```

<220>
<221> misc_feature
<223> n=a,t,g or c

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<400> 1151
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tgaaatgtaa cagttgcact tttcagctga aaatcatctt tttcaatctc agaggatgcc 180
tttttcagggt atacaataaa taccctctcg aatcttaatg ggacacacaaa ttggagattt 240
ttctaaagat ttctgttgat tctgggtagg gaagtgtgtc tcaaggggaa acatttgtgt 300
tgattccttt atgaggaact gctgaggtct tttcacaggg cccatgggtt ttctccctt 360
ctcttattct atatttgtcc catccctgag ggggtgagga gggggagccc tgtntcccaa 420
tcttcagggt gccaggatg atggggagtg gggagagggg 460

```

```

<210> 1152
<211> 298
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> n=a,t,g or c

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<400> 1152
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cttctgtcgg cagcgaacta ggccctctca ccaggctgcc ctaccgtgct cagtgtctgcc 120
tcatgggtgca aagtgggtgc tgagctccag tcatcacttt agccngcnga anggggaagg 180
gnangggnaa aanntttccc cccnctnngg gggatttctt tncnnncccc cagtnaggat 240
tttngtttta ttataaggna agaagagaca gttagcngag gcttccctgt ccaccagg 298

```

```

<210> 1153
<211> 436
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature

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Age cubed	0.0000	0.0000	0.0000	0.0000
Age quartic	0.0000	0.0000	0.0000	0.0000
Age quintic	0.0000	0.0000	0.0000	0.0000
Age sextic	0.0000	0.0000	0.0000	0.0000
Age septic	0.0000	0.0000	0.0000	0.0000
Age octic	0.0000	0.0000	0.0000	0.0000
Age nonic	0.0000	0.0000	0.0000	0.0000
Age decic	0.0000	0.0000	0.0000	0.0000
Age undecic	0.0000	0.0000	0.0000	0.0000
Age duodecic	0.0000	0.0000	0.0000	0.0000
Age tredecic	0.0000	0.0000	0.0000	0.0000
Age quattuordecic	0.0000	0.0000	0.0000	0.0000
Age quindecic	0.0000	0.0000	0.0000	0.0000
Age sexdecic	0.0000	0.0000	0.0000	0.0000
Age septendecic	0.0000	0.0000	0.0000	0.0000
Age octodecic	0.0000	0.0000	0.0000	0.0000
Age novemdecic	0.0000	0.0000	0.0000	0.0000
Age vigintic	0.0000	0.0000	0.0000	0.0000
Age unguic	0.0000	0.0000	0.0000	0.0000
Age duodevigintic	0.0000	0.0000	0.0000	0.0000
Age tredecimvigintic	0.0000	0.0000	0.0000	0.0000
Age quattuordecimvigintic	0.0000	0.0000	0.0000	0.0000
Age quindecimvigintic	0.0000	0.0000	0.0000	0.0000
Age sexdecimvigintic	0.0000	0.0000	0.0000	0.0000
Age septendecimvigintic	0.0000	0.0000	0.0000	0.0000
Age octodecimvigintic	0.0000	0.0000	0.0000	0.0000
Age novemdecimvigintic	0.0000	0.0000	0.0000	0.0000
Age vigintivigintic	0.0000	0.0000	0.0000	0.0000
Age unguicvigintic	0.0000	0.0000	0.0000	0.0000
Age duodevigintivigintic	0.0000	0.0000	0.0000	0.0000
Age tredecimvigintivigintic	0.0000	0.0000	0.0000	0.0000
Age quattuordecimvigintivigintic	0.0000	0.0000	0.0000	0.0000
Age quindecimvigintivigintic	0.0000	0.0000	0.0000	0.0000
Age sexdecimvigintivigintic	0.0000	0.0000	0.0000	0.0000
Age septendecimvigintivigintic	0.0000	0.0000	0.0000	0.0000
Age octodecimvigintivigintic	0.0000	0.0000	0.0000	0.0000
Age novemdecimvigintivigintic	0.0000	0.0000	0.0000	0.0000
Age vigintivigintivigintic	0.0000	0.0000	0.0000	0.0000
Age unguicvigintivigintic	0.0000	0.0000	0.0000	0.0000
Age duodevigintivigintivigintic	0.0000	0.0000	0.0000	0.0000
Age tredecimvigintivigintivigintic	0.0000	0.0000	0.0000	0.0000
Age quattuordecimvigintivigintivigintic	0.0000	0.0000	0.0000	0.0000
Age quindecimvigintivigintivigintic	0.0000	0.0000	0.0000	0.0000
Age sexdecimvigintivigintivigintic	0.0000	0.0000	0.0000	0.0000
Age septendecimvigintivigintivigintic	0.0000	0.0000	0.0000	0.0000
Age octodecimvigintivigintivigintic	0.0000	0.0000	0.0000	0.0000
Age novemdecimvigintivigintivigintic	0.0000	0.0000	0.0000	0.0000
Age vigintivigintivigintivigintic	0.0000	0.0000	0.0000	0.0000
Age unguicvigintivigintivigintivigintic	0.0000	0.0000	0.0000	0.0000
Age duodevigintivigintivigintivigintivigintic	0.0000	0.0000	0.0000	0.0000
Age tredecimvigintivigintivigintivigintivigintic	0.0000	0.0000	0.0000	0.0000
Age quattuordecimvigintivigintivigintivigintivigintic	0.0000	0.0000	0.0000	0.0000
Age quindecimvigintivigintivigintivigintivigintivigintic	0.0000	0.0000	0.0000	0.0000
Age sexdecimvigintivigintivigintivigintivigintivigintic	0.0000	0.0000	0.0000	0.0000
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<210>      1154
<211>      552
<212>      DNA
<213>      Homo sapiens

<220>
<221>      misc feature
<223>      n=a,t,g or c
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<210> 1155
<211> 472
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c
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<210>      1156
<211>      495
<212>      DNA
<213>      Homo sapiens

<220>
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<223>      n=a,t,g or c
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456

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gcctgggaca	ccggaagagg	cgattccctg	agcgccctgg	agttggagac	aattcctggg	300
tcagaattta	aacatctttc	taggtaagcg	ntgctccaaa	actcttcgcc	gcgtgggact	360
tttgcaccag	ggcggttggt	ggagganttg	gccctccacg	gttcctgggc	aaccgcggcc	420
tttttgaaag	aggttctggg	caatatttaa	cttcggagga	atttggaatt	ggattccttt	480
aagttcttnc	cctgc					495

<210> 1157  
 <211> 252  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1157						
ttnttttttt	caccaattac	aaaaaggctt	tattatatct	tgccaaatgt	taatcgcttt	60
cattatgtct	ccaaacatta	tttcaccact	cattttttata	acaagtgcag	tgaagatatg	120
cttatcgaat	attgtacaat	actgttgtgt	tctgtaacac	tctttcggga	acagcttaga	180
tgtaggtaac	aagagatgcc	ngcgtatgaa	agngcttcat	aaactgtact	gtataaatgt	240
aaactactac	cc					252

<210> 1158  
 <211> 422  
 <212> DNA  
 <213> Homo sapiens

<400> 1158						
agcaagggtt	taatggaaag	cataaaacac	tggaaatatg	gacagaaatc	agattattac	60
cctttttat	ttttccctgc	ccctttcaca	atgagactgg	aggggattca	agaaccactt	120
gaaataaagg	cgaaatgatt	agattttttt	ctcctaattg	cctaacgctg	atgtcatggg	180
gtacgcaaaa	tcaacattga	tctctaagtg	aaagaggaga	aacagaacaa	catcaacagc	240
ctttcgagg	aaactgtggg	gccagaatct	atttagggca	acccgcaggg	cccaaaatct	300
ctggaaaagc	ccaacagtgg	gagccagttt	ctggatgctc	ctctgttggg	tgatctggat	360
ctttgagtgg	ggggaaatct	ggtaggaaa	cagcctcctc	gaggggagcc	ctccccctgg	420
gt						422

<210> 1159  
 <211> 397  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1159						
tctttattgg	aaggaaatgt	gttaaagaca	gactcactac	agtgttgaga	cagtagtgag	60
tagcacagta	aggagactgc	ccaggacttg	aggtccttgg	tccctctata	gaagtatcaa	120
gtgtttgtaa	aaggtttagc	acccatgtga	cagaaagaag	ccatcatcct	cttaatttct	180
cttgggtttt	acttaatata	tagaagggca	aactagtggg	gcctctgagt	gcaagatgag	240
ggacttcatt	aggaataaag	ncatattgcc	tctggggntt	ttctaacca	taggctccaa	300
ggagccctca	ggtgtcagga	acataggggt	aagggggact	tggatttact	gaggaggacc	360
ccctaccctt	accaacatcc	tgtggggaca	ataggag			397

<210> 1160  
 <211> 434  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1160  
 ttttttttgg ctatcaatat atttattatt agcatgacat attatgaaaa attattttcc 60  
 aaagacttag ccagtaacac tacaaaaata gaaagcccggt taattcctgt gaattttatct 120  
 gtgtgtgtcc atgtccagta attatttcac tgtctgtctg aagtactaac aatactaaat 180  
 ccaatgctcg gcgccacgct gcaatctttg gtgtaacaac gtcataaact ctcggaatct 240  
 gctccagttt atttgaaatg tctgaattaa aaattctact atttagttta ctatattcat 300  
 tcaagatgta agatgaagga gagccagagt ctgtggcatt ttgcagatga tgttgaatgt 360  
 atgtgctggc ttcaaattct ggatgagtaa ttggcagtggt tatataggag agttggaaag 420  
 gtatttcngc catc 434

<210> 1161  
 <211> 387  
 <212> DNA  
 <213> Homo sapiens

<400> 1161  
 taaatgaccc aagatataat tctgattgtg gtctggatca taaacccgca tcacatttta 60  
 aatgtctatt gtcttggaga caataagctg ttttatgggg gaatgggtgg gtggaaaaat 120  
 gggagcaggg cttctgaagc tgactaatac ctgaagaata cggcaacgtg agaaagcact 180  
 gacccggctg ctttggtaaa tggaagaaaa tcatctcagg gttgctagga acatgggtaa 240  
 gaccagactg tagaaagatc cttcaaaaaca aaacagtttg ccattccttt aacaattact 300  
 aaccgtcaag aactttggaa ttgtgccacg gaagacagag cttaagatgg ggtggagccc 360  
 tttacctccc acttgctccc ctggggc 387

<210> 1162  
 <211> 471  
 <212> DNA  
 <213> Homo sapiens

<400> 1162  
 ttagagttgt gagtgaattg catttttatt tacgtttaag agtctctctc cctccttgtg 60  
 ttctagtctg tgaatggctc acacttggtc ttagtgtagg ctccctatggg aggagcgggc 120  
 ggtagtgaga atcttcatca aatggagtaa catgacccaa atctctagag gtttcataat 180  
 tttgctcttg cttctaaaaa cataatcatc tcttatgggg tggtatgtgc tttgtatcct 240  
 gaaattttcc acttgctgct tcttgggtgtg aggcgagaaa tgccaccacg tgaacttgca 300  
 ggaggagact ggtggaagcc acagggctag gccttcactt cccagtgaaca ctgttcccaa 360  
 ttccctccag gataagctga gactcctcca ggatgtgggt ctgcagcaga tgaggtgcga 420  
 acaaagcctg ctctggcctg ggcacccagg atggcactga gttctaaaag g 471

<210> 1163  
 <211> 419  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1163  
 tttttttttt tttacaaaaa gcaacaagag tttaattctc tttttacatg gccacagggtc 60  
 tcttcagtca ggggaacttc agctggtgcc tctctcttgc agctatgagg cgacagtgtg 120  
 gtgacatgcc tcatacagac tgtcccagta agccaggaca agtcaccatt aaaatcttgc 180  
 atgaacagcc ctgggcacgt gggaatgtta agaaagagcc accgcctcct tagtcagctt 240  
 aaccacagct ccaaacgcag tttgtcccag ctggcaaacg cctcaaacac caatcatgcg 300  
 tcgtgctcct attctgggtt ctttataaaa cacttttata tagcgntata gatagcacag 360  
 taaatgtgct tctgatgcac tctaacatag aggacaggaa tacacactgt ggggcgcgc 419

<210> 1164  
 <211> 385  
 <212> DNA  
 <213> Homo sapiens



<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1164  
 caatcatcac atctgtgtat tgtctcaggg tcaatttttc agtaagaatt ccagacattt 60  
 ctcttcgttc acattacagt aaactatttt tcaatacatt tcctccttga ctttcaaggc 120  
 ttgaaagtca aagacttttc ttctactaga tctcataagt cataactgct ctcaaccaga 180  
 tgcaggagta attttgtata aaagaacaag ctttttaaag tccaataact gtatcttttg 240  
 gggaagggtta aaagaatggt taaatacaaa aaagaaaagta aaaaaaaaaa gagagagaga 300  
 caaataactc tcctcctaga aaaaaagggc ctgggggagcc ctggggctagg gcngggccagg 360  
 ggaggggaaag ccataaatag ggggg 385

<210> 1165  
 <211> 498  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1165  
 ccctccacaa cggaggattc ataagagcag gggccctggt tggtttgttc atgctatatc 60  
 cccagacctg gcaccaatta ggtgacaata catatttggt gaatgaatga atgagaatgg 120  
 tagtcttttg gttcccaggt ttattgacaa ttactcatct atttttgact ccccgagtcc 180  
 cagctcccaa actcgctctc cctactccag gcttcacggt agtcccagaa tgtaggaagt 240  
 gggacaggat agactttaac atcaccagc cctctgggtt ccaaagcatt tttttcttt 300  
 aatgcagtaa aaccattcct ttaaaacca aaatctctca tgggaacccc tacgtatcaa 360  
 atatataaag caggagctgc ccttggtcag ggataatatg tggggcttat ggctctaaga 420  
 aacacagttt gacattcact gctctcetta cttcagttac ctcatggtat agataaatgg 480  
 ggctgggcn gaagaggg 498

<210> 1166  
 <211> 265  
 <212> DNA  
 <213> Homo sapiens

<400> 1166  
 gttttttaac attttaattt caacgtgcc aactttgtcc aaatgagatg atacaggcta 60  
 gaatgcacgg cggaattcca gactggactc actccataag ccaactcatc actgcccgtg 120  
 aacatgaatt ctggctcctca gagaagctga cattgtttcc ctgaacattc ccgtgggtctc 180  
 cctctgaaag ccgatgacca tccaaccctg actcacctga aatatcctac gagcatcgcc 240  
 ctccgagact gacgattatt aacca 265

<210> 1167  
 <211> 434  
 <212> DNA  
 <213> Homo sapiens

<400> 1167  
 aatcaaagta aattttatttc tgaattacat aaggatcatg aaacagaaac attaatcttc 60  
 atgttataaa aacagtagta aaatacagta cacaggaatg tcaattgaat gacaacaatg 120  
 aaagtacaat agcaaatgaa aaatagtaac ttttaacttt aaatacaaaag tgaagcaatt 180  
 taatatgaaa ttttgtaaat aagaaaaata tatgtcccat gtctttatta catactgtac 240  
 aaaataaaat attgcacctt tcatataata aatatataca aagagtatgt taaaaatcga 300  
 tctttctttt aatttaataa ccttcaacaa tcagatgtga ttggatgatt aacaactaat 360  
 cgggctgggt gtgtcctcct cactgtcccc catccattcc caatcaccaa accctccaca 420  
 tacagtagtg ctca 434

<210> 1168  
 <211> 405  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1168  
 cttccaccag acattaattt taatgagggtt actcaagatt tccccctttct tcaagcattc 60  
 caggaatcag atggaggaag atagggtaac atcatcttta tcaaataattt gcaaacatta 120  
 tatagatagc tggaaaagcc tgtgcatggt cgaatggaag agatgtcaca taaaaccgaa 180  
 taactgagtc tcataatatt taggtcttga atgaagttag gccttgatct gcttccagcc 240  
 agttgatctc ttaattatgt aggctgtgca acaangtttt tggttctgtt ttatagtttt 300  
 cttctctcgc attcctctag atttaataata ttccctgatt tgggtttaca gatcactgct 360  
 tttcctccag aataagccaa tgtggataag ggagaccaa gggaa 405

<210> 1169  
 <211> 421  
 <212> DNA  
 <213> Homo sapiens

<400> 1169  
 attctatata gatataattt ttattatttc tcaatttaag caccattcaa ttcttctgga 60  
 tccattctgg ctggaaaata tccctaaatc cacaggatgt tatctattta atggcacatg 120  
 ttaactgaaa atgaggtgga tttttttttt aagaaaagac cttaaattaa ttcttatcta 180  
 catcttaatt ggtttgtctt ctgagccagc tcacaatgtc aatgcaattt ctagtgcagg 240  
 tgtctctgag tgccccttga ccacaccccg aggattgtgg cagtgtcctg gccatgtgtc 300  
 ggaaggatcg aagggcagca ggtgcagcct tgctctgcac atgggacagc agctgggctg 360  
 gtccaccgcc acgcaccttc agcagtgtac ctccggcaca agttccacca ttctgcttca 420  
 a 421

<210> 1170  
 <211> 206  
 <212> DNA  
 <213> Homoomo sapiens

<400> 1170  
 atagttgtgt gcaatttaat gaacacaatt aattttacca ccattttaca taaaaggaaa 60  
 ctgaagtgca tttcttaggg tcccactgta agttgagggc ttgagattcc aagaaaagtc 120  
 ttattttcaga gctcagtgtc ttgcccacaa cgcagcctca ctgctcaatc acattcttga 180  
 ggtttgattg gctgaaacgc acgtgg 206

<210> 1171  
 <211> 286  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1171  
 aaaatcagag actattttata ttaaataact cttcccttaa aaatggcctg accacagcaa 60  
 tgaatctgta aacacagagt aatatttttc ctacagtaaa gagtcacttt aatctcaaaa 120  
 gatacttttc actgttctaa atgacaggnt tttaagcatt ttttcctata tataatacag 180  
 catcacttaa aattttattt aaagacagtt gattcaggcc tgccttggac tggaaagaag 240  
 tctttaactt agtgggatta gtgcttcagc ttgggtcccaa atattt 286

<210> 1172  
 <211> 284  
 <212> DNA  
 <213> Homo sapiens

<400> 1172  
 cccgattctt tccttttatt tgccaatttt tatgagtcag tgccttacaa cttccaaagg 60  
 taaacatgag gcttctttcc ttaagcatca tcatgaactc ttagatgttc atttattcaa 120  
 cacaaactaa aaaaggaatg ttaagtctta agatatcatt aataactaact tgcattactt 180  
 gtttatgaag gattaatata ctaaatagaa tatatgctca cttttttata tgtagatatt 240

aattttacaag taattaacat gctaaaacat tttataattc gctt 284

<210> 1173  
<211> 348  
<212> DNA  
<213> Homo sapiens

<400> 1173  
caatgctggc gtgccattca ttgaactttg acctaatata tcatctggaa acctgttaca 60  
atctttaatt gatagcactg tggtaagtta atgtataagt ttctaatca atcacaacc 120  
aaacagcagc gggttccttaa accatgttta accagaaggg aggggacata atctgattat 180  
gcatgacaag aaaacaaacc ccattttag aataaaatac tttaaatggg ttaatatgt 240  
aaaccagccc ccctcccaca cacacttttt aataatgggt taaacttttc cttttctgta 300  
aggccatagc tggttttctg actagtgtgc taaacatgtt tctcatat 348

<210> 1174  
<211> 313  
<212> DNA  
<213> Homo sapiens

<400> 1174  
acacagaaaa aaaaaattta atattcaaca tgcaaaacaa cttttaaaag aaacatgaaa 60  
tcataaagca aagctaacag ccaaccaaca aataccgct agcaatgatt tccactggat 120  
gtgggagagg gttaataaag acgctgttgg taacgcgtac agaactatca ctggcaatca 180  
gcatactgag ctatccagtg gaggccagca tcgtgttttt gctaaaatac atgttgtaga 240  
agtcataatt catagtgaag aatctcaaca ggttttctta cagatttaat tactctcaca 300  
caaataattc att 313

<210> 1175  
<211> 251  
<212> DNA  
<213> Homo sapiens

<400> 1175  
caggggaaggc agagatgtgc ctggcatcac agtttattgt ttataaacca tgacaataac 60  
agctgttgct cagcacaggc ctagcagagc cactgcagg gggacggcag cgggcaccag 120  
aggccttgcc tggcccaacc caatgggaac acccagactc agctgggtcc ccaagggaga 180  
cttggcacat tggcatgggt gtgggacagg taaagcatgc aagagggaga agagggacat 240  
aaggggcatg c 251

<210> 1176  
<211> 321  
<212> DNA  
<213> Homo sapiens

<400> 1176  
aaaacaaaac attttattta atgcagaaat tctaaggtag aaaaacattt tgtaaagtgc 60  
agctgtgatc tactttcacc tagttacaga gttatgtaca aatcaagtca ttaacatttt 120  
caatgtcaaa aatacagcac gctgttaaga gttctgtcag tgctcattat ccactagat 180  
cccacaaagg gcaaactcaa agatgaaaca aaggcaacgc catcaataac caccatattc 240  
cacaggcttt ctcccctagg acgtactaac agggagtttc cacagggaaa aattctcttt 300  
taaaaaatta acagtaaaaa t 321

<210> 1177  
<211> 451  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1177  
tgtgttaaga aatttttatt ctttcctttg gatttgtgat gaaagcacat aaaattacaa 60  
gtggaagaaa catcatgcc aaaaattgca tagaattatt acaaaaatgt gaattatgca 120  
ttttaataaa tttgagatag aagaaccaa atatgtacat ttaagagct tcaaatactt 180

```
tgtcctatct tttttttctt cttaaaaggc aagagtcaca acgtccaatc catcaciaaac 240
aatattaaca cagtgcacaa ggcgaacatt aaattcaaag taatgcaagc aaatggccct 300
ttttttggga attacttaat tgacagctta tctactacag gagtattaat taatgtatgg 360
tggatactca aattttaaaa tggaaataaa aaaacccana aacacatggg ctatgtcatt 420
agaaccttgg aaaattgggn ttacntgggc c 451
```

```
<210> 1178
<211> 278
<212> DNA
<213> Homo sapiens
```

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<400> 1178
tttttttttt ttttttttca cattotcaat atgctttatt caacagaaca aaagaaggca 60
aagagagcag agaaagcagt gcaggaatgc agactgcac agaaggtaca tcacttgcca 120
ttcagggaca ctgcaagaga agatcaggac aactgacttg tcagatgaga actcctgagt 180
gtagctataa tgggcaggat ggtagcaat taaagagagg actcctcatc tgcagctgga 240
cctagactga gtttcagttc ttatggggat ataggtca 278
```

```
<210> 1179
<211> 386
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 1179
tttttttttt caggctgttt aattttatta aaaggttcaa atttgatgat aaatgggtggc 60
atgggttactt caagcttcgg atacaagacc tgctcagccg tggacatata atcgacaccc 120
actgccatcc ccaccaggag ctcccccaac cctgatgtag tctgagaccg taaataatgt 180
aatgatttct tgtactttgg taaatatgcc aggaacactt gtagctgtct gagagctaca 240
gagaatacta acttgggtggg cttttttttt ttttaagagg aaggatgggt aataagtgga 300
agcaatttca gcaggctgac tgaacccccc acagtctcag gganggaaaa ggggcttncc 360
ctctggaaan ccatcattta acntca 386
```

```
<210> 1180
<211> 329
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

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<400> 1180
ttttttttgg atgcagcact ttctttattg cccatccagg gaacagccaa gccagctcca 60
tctgcattct ggctgcagcg tgtacattag gggactcagg ggccacagtg tgggaccgtg 120
cacactggca aggcactggc ggatntgggc aggccagttg gacatggata gatgagaatg 180
acaactcaca gatgtcctag cttctgctgg cccagctgcc ancactgnca tcaccctttt 240
gccagcatg tgtgcattgt caccctaaac atcttgaaac ttgccattag tgaggcattc 300
aacaagaag taagctaagt gtagtaggaa 329
```

```
<210> 1181
<211> 661
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

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<400> 1181
tacaaaagaa agagctttaa ttggacttac agttccatgt ggcttggaa atcttacgtg 60
aatggtagta ggcaaaaaga gcttgctgag gaaaactccc ccctaaaata accatcagat 120
ctcattaaac ttactcacta tcatgagaac agcacaggaa agacctgccc ccataattca 180
```



```

aanccaagc anaagggtn gtttgaagac anaaagggga cccaaggggt ttggaagggc 360
acacaggccc acccaaggaa atttggcctt tttntttttt ttttttttta aaagnataaa 420
antgtttttt ggaaaaaaa gggaaaaaaa atttattata aaaaatntcc t 471

```

```

<210> 1185
<211> 447
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1185
cctttcagtc tttatttgca gcaaactacc actttatatg acaggtttgt gtgtctgtac 60
acgcacatac acacacatat ccttaagctc gagacagggt gcggctttac agaccaaaaa 120
gtatggaagc ttggttttaa ctggtgttag agatcagatg gagaggaagt gcagcgggtgc 180
tcacctggcc gctcggttct tcagggagac agcgtctgtg gtgccgctgt cggctcanca 240
gcctcaccat cccccagggt gcatgctgtc gtggccaggc gcaaactacg gcgggacatc 300
cgtggagaat caaatacagg gtccaatttg tgctccgtct caaaatccag agcatctgaa 360
gaatagctgg aactggagcg catacgtgta gcccggtgtt tccggcacac actggggagg 420
actgtacatg tgaagccgag aaaaata 447

```

```

<210> 1186
<211> 246
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1186
gcaagataag gcactttggt tttaattcta tcagtctctt tagaatgaac gaaggtctgg 60
gtcctctgga aatctcaagt ggtgctgcct gcanttntaa aaggctgagc acaaaccat 120
cagagagcca cagtcctaag tagactcctc ggtgcgtctt gccacactgt ccatgtgcat 180
tcagatttct cattaaattt tccacagcat gaccagtggg gatgacctgg gtggccggtg 240
tntcca 246

```

```

<210> 1187
<211> 387
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1187
aattttgaaa tgtttatttc aaagagcgtt ggtaatttaa acgtcctatt taatccccaa 60
aacagtccctg aggggggagat aaggcagtta tcttcatagt acaggaaagg aaaaaagcga 120
gggtccaagg ccgactatac cctcagctcc attagccccg gaggcctccc tgacaggcgg 180
ggcggacaat ccagtgagc atgctctgta tcgatcgcat gctatcgggt ctttcaaggga 240
acgtgtattg atcatcaatt aagtgggtgag tactcctcta gatgtcgatt cttagcaaac 300
tgcggaact cctacagaca aaaactcagg tgtgggcgca gaagggccgg ggatgcgctt 360
cggtaagac tttgaaggtn cgggggt 387

```

```

<210> 1188
<211> 563
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1188

```

```

tttttggaag acatctattg catttatttt ctaaaagaaa aggcattgcct gaagggtcgc      60
attactgcac atttttaaaca tgggtgacagg ctatcttcta aacctcaagg aattctgctg    120
atgcaaactg taatgactat ctgctcctat taaacaagca agacatcagt gagcggagac      180
atcacaagcg gttacttcat ttctttctgt tgcttccagt tgctagcata gttgcaactc     240
gcataaatat atttaatgta tccatgtaga ttgtcaacat cgaattgatg ggatcatact      300
tttgagctcc atacatgggt gttatttctg cacgtttgat tactttctga gtatcataca     360
gaaggaacat gctgaaaaga actaatccac catacattgc cactgagtac agagtggcac      420
cagcccagga ggtaggggga agaaacatag accccngaga agacgccaag accagacca      480
ggccacttcc caggggtgct cccatgttca gaacttctca ctangcgcac acatnggcn      540
cagtagagag gcctcccnc ata                                           563

```

```

<210> 1189
<211> 403
<212> DNA
<213> Homo sapiens

```

```

<400> 1189
gtgcagtggc gcgatcttgg ctcaactgcaa gctccgcctc ctgggttcac accattctcc      60
agcctcagcc tcccaagctg ctgggactac aggcgcccac caccacgcca agctaatttt      120
ttgtattttt ttagtagaga caggggttca ctgtgttagc caggatggtc tcaatctccc      180
aaccttgtga tccaccacc tgggcctccc aaagtgtgtg gattacaggc gtgacacttg      240
tgcttgact aaaacaatgc ttctaaagc gcattctgca gcctgatgtg cctgtgaggt      300
gagaggtgtg ggagggacag aagctttgtt caaagaggtt tgggagaggc tggatactta      360
gctcccttct tgtaagtttg ccacacacat tggcatatta aaa                      403

```

```

<210> 1190
<211> 323
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1190
gtgacatggt ttttgcttta ttgaaattct ctcttacaaa aggtctgang tatttttaggc      60
caggcctaatt ttgctttggc cctgaaatg caggcccatg gtcatttcca tgtcctctga      120
agtaggtatg taaactagta gacttccatt tttaagggtc acacactttt taacattggt      180
tttatttgat gtaaaacaag acttatgttg tccctaattg aaagaccaag taagagagtt      240
atgtgcgtct tcatggaagg gataactgga ttctttgcca gaaccgggtt gggaatttag      300
tttgttcaat gtggcatctt tca                                           323

```

```

<210> 1191
<211> 587
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1191
taatttcaca cttgtaggct ttatttcctc atctgtaaaa tgagaaagta tgatcaggcg      60
gcttctaagt cttccagcca aaaaggaagg taatttttaa tcttgacca ctgaggctgt      120
gtgtcgccgt ggaaactcca cagccaggct gcccaaagcc aaaggagcca ctactgcagt      180
tggtggctca gaatcctctg ctgccacctc tgctcctcaa gtggatgctc caaatccaga      240
agtggatttc atgcttcca tgttgaaaac ctaattcatt cataacctga gtaactggga      300
aagaataatt cttcagaatg gggcaatttg taaacttcaa aaaactgcag aactctactt      360
gcttatgttg tcctaaatgt ctaccataaa ttttaaatct ctaaaaaatt atagcaaggg      420
ttcacttcaa agtcttcatt gctgacataa cgtggctata ggtcctgctg ctctgggtgc      480
cctttccata tcacagaagc actagccgga aaaagctctg ggtttcantg attttactgg      540

```

atagagcaac tgtagtcac aaccaagag taattgggat catctgg 587

<210> 1192  
<211> 417  
<212> DNA  
<213> Homo sapiens

<400> 1192  
ttttttgcaa aagacaaaag aaaatatatt aaaatgttaa ttaatagcag ttttacagag 60  
gtgacaggat ttgggggtgt tgtttttttc tgttcttctt ccttgactga ggcaatacat 120  
tttgtgttac ttgtataata aaaaagtaga ttacataacc agaatgggtg attgggttca 180  
aaccacacag tccaataact gacgcattaa atctttattg actaacagc ttaaaaaatt 240  
actactatct ccttttatct gttgttgtga attttactca gaattaaaga taaatgatta 300  
gtaattacag gaaaactaac ttgtaaaaat cttaaagaca ttgaatgggt taatgtactg 360  
agcagctacg gaatgcaagg cactgtagga gtagggtagg tatactcccc acaaggg 417

<210> 1193  
<211> 448  
<212> DNA  
<213> Homo sapiens  
  
<220> misc feature  
<221> n=a,t,g or c  
<223>

<400> 1193  
gagacggagt ttgcgtcttg ttgccaaggc tggagtgcaa tggcacgntc ccagctcacc 60  
acaacctcca cctcccaggg tcaagcaatt ctctgcctc accctcccga gtagctggga 120  
ttacaggcat gcgccaccac gcccggccaa ttttgtatct tcagtagaga cgggggttct 180  
ccatgttggt caagctgggtc tccaactccc aaccccaggc gatccacctg cctcggcctc 240  
ccaaagtgtc gggattacag gcgcgtgcca ccacgcccag ccttgggtgt ttttctttca 300  
gtcctccag tactttcata ctattctaata aaatatatct tgttggtatg aagctatgaa 360  
gcaaaaagtag ctattaccaa tgcatacata cagtacactg gttttaagtt ccacctcaa 420  
gtgaatctta gagcctgggt gtaagtgc 448

<210> 1194  
<211> 327  
<212> DNA  
<213> Homo sapiens  
  
<220> misc feature  
<221> n=a,t,g or c  
<223>

<400> 1194  
tttttgacta taaaattgca agtctttttt tttttttaat aaaaccaaca taacagaatg 60  
tagaaatcta aacgaacatt tctccctcaa agtagttaca tccttagctc caacaaaact 120  
actattgttg gagacttatt tagaactcct gtttgaggaa aggccttaaa aggtgggtta 180  
tgagccacat tagaaaatac ccttctaaac tttgggctgt ttaaaaacag aaaatccata 240  
ctcagaggat gacaccgaga aaattaaaaa ggtgctgcag ctctcacgga gggtccnaa 300  
agacctctag caagttctga gcaacag 327

<210> 1195  
<211> 446  
<212> DNA  
<213> Homo sapiens

<400> 1195  
atcaatgtca ggggccgttg tgtgtttctt gggggcgggca tgggtctcct gctcttcaga 60  
gtctgtgtca gagcactcag agcttccaat atcttctgaa tcagaacaag tcctttcctc 120  
cacttgattt tctaggagtg cagggaacct ctgaactcct gacaaatctt tcttcaatcc 180  
tgtaacagtc tggatatagaa tattatcttg ttgggcattc atggccatgt cctcttcctt 240  
caatttcata attatgtcca tatccctctc ataatttttc acttcattca aggttctagg 300  
aatatatgct cgcttaaaca cctcttcac caccatgatc tggctagacc gttcttcctt 360  
ggtcctttga gatgctatct ccatggcctt tgagagataa gcatccatgt tctcatgggt 420



446

<400>	1196							
gtgttttaaaa	ttatttttat	tacttttaga	ctttttctca	aaataattat	tcaaggaaat			60
atttcttaag	tggccagta	aaactgtaga	gccaatagtc	agttacacca	tattcaagga			120
caaggatagt	cagctataga	taggaactgt	ctaaaccacg	agaactgatc	tctgatactg			180
aagtaccag	aagtggctat	attatcactg	acttgaaaca	gatcttagtc	acccatgtag			240
catttaattc	aatgtttggt	tctttgcctc	atttctttct	taggtcacaa	tctata			296

<400>	1197							
aaaggttgaaa	ttaggaattt	cttttttatt	ggccactaaa	gtcctagcaa	gtttctgaca		60	
gaagcacaga	cagaaaatgg	aaacaaatac	cttactggga	atgtttcctt	gcttgacta		120	
accttgacta	cagcaataac	gcattgctta	acagtcaaag	tgcaccaggt	catttccgca		180	
aatggcaggg	tgagtgactg	tgccgttccc	aaggaagcaa	aacagacaca	aacaggtccc		240	
acgcgctggg	tgtcctggct	gagtacagag	gaggctgcta	gaccggcagt	acccttttcc		300	
caagtgagga	aagccagctg	tgacactctg	cttgccggca	gggggtcccc	accctccctt		360	
ccaccatctg	qcccatagct	gtaccaccaa	ttacatt				397	

```
<220>
<221> misc feature
<223> n=a,t,g or c
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<400>	1198						
ccttctgttg	agatggagtc	tcactctgtc	accagagctg	gagtgcagtg	tcgcgacctt		60
ggctcactgc	aacctccacc	tcacaggttc	aagcaattct	ccccacctca	gcctccaaag		120
tagctgggat	tacaggcatg	cgcaaccatg	cccagctaat	ttttgtaatt	ttagtagaga		180
tgggttttcg	cttagtagag	atgggggtgt	tgccaggctg	gtcccgaact	cctgacctca		240
ggtgatccgc	ccacctcggc	ctcccaaagt	gctgggggta	caggcttaag	ccaccaagcc		300
cggccgacct	tcttctatth	ttccattctc	ctttccaaag	ccatggccat	gcgctcctgt		360
gtacagggtgc	ataaacacat	cagtgtgcc	tccttcacat	gcattgtcgt	ccccaccctt		420
ccttcccagg	gcttctcttg	gtccagcgt	tcctctggga	ccctctgcag	atacagcctg		480
tgtctggacc	ccagccagg	tgaaggctca	ttctgtctctg	tcttcccca	tgctcagtt		540
ccccaaaag	ctgnttcagt	ccttctagta	aggggctcca	tggggcaang	atcccttang		600
attaatcttc	cncttgggga	g					621

<div> <div>&lt;400&gt;</div> <div>1199</div> </div>						
tttttctaaaa	aaattttttt	aatcagttta	aaagttcgag	gaaaaagaaa	atcaatcaga	60
aaagcaacta	taccaaaca	gggttatcca	agtgagcttc	tctcacttcc	ttagatggac	120
ttcagcttat	aggatgacac	gagatgcgag	taagaagcta	tttgcgcat	tcagctgcgt	180
gacttggtgtc	tgcgttgctt	tcctttcttt	cttctgtgga	ctgagaatgc	tagtgccttt	240
gaatttgctt	ttacaggacc	tgagggctct	ttgatggtaa	gagaatgaat	gatcattgct	300
gccttgagtt	ctgtgtgatc	cgtcaggcct	cgcctccagg	atggcaattg	tagcctgaga	360
tqacqtagcc	caagttgcac	agcagagttg	ctgttctgga	aacactgtgc	cgagtgaacca	420

ccgaccttca cagtgcctagt

440

<210> 1200  
<211> 381  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1200  
gccaatcggt ttgctttctat tcgttatctc agcttatggt tgaagataaa tccttacttt 60  
tagctttttgc cactttgttg caatagcaca ttntttcggg ttgccagatt tcaggcataa 120  
ttctcattct aaagcactat cattagtata aaggaaggac aaaacattca gtgactcccc 180  
tccgcnaccc ccatcccca ccccaacact acctacacta aatctagtac atcaagttag 240  
cttttttttt tttcctgaaa aaaggcaaaa aagactttac attgcatcat acagcagata 300  
tcctaaatca gtcaaactat cagaggaaaac tgttggcgta cagctttaca aacaatttac 360  
cctaataaaa gttccccagt c 381

<210> 1201  
<211> 471  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1201  
ttttttgtaa gtaaaaccag tgagtctctt aaagacgctt ttccgactgt ccggtgcaga 60  
gaggggcccc gatcggtccc tcattcctcc tcgtcttctt cttcttcctc atcgctcctc 120  
tcgtcggcct tgtccgcggc anagttggcg gcggcagagg gcacggcgcc ctcgggagct 180  
gcggcggcag tcggaccttc gtccttatgc tctttcttcc acttcatgcy gcggttctgg 240  
aaccagatct taatctggcg ctcggtgagg cagagcgccg tgggcgattt caatgcggcg 300  
gccngtaciaa gggtaagcgg ttgaagtggg actccttctc cagcttccaa cgtncctggg 360  
tancccggtg taagggtttt gcggggcccc gtttcctggt caaagggtcc tnaagaacgg 420  
aaatccaggg gtaaaatgcy gnaaaattgg cttaaanggg ggcaatnaag g 471

<210> 1202  
<211> 447  
<212> DNA  
<213> Homo sapiens

<400> 1202  
tatggtagta acagtttcat tcagttttgc attttacaaa tttaaacaaa agtctttctt 60  
tttttttttt ctttacttgc atgtttgtct tttgagtgtg ttttcaattt gtgcattcct 120  
tagaaaatct ttgtgtggac tttggagttt ctccctgaaa tgtgccaggc gcctgagtca 180  
gacacaaaca ctcccttagg accttcgtca gaaactccac ccctgtgtgg aatctccttc 240  
ctctctctct ctccggagat gccacccgaa ttogaatgtg actgtgtgtt tctgctgaga 300  
ggtccattgt catccccaga tgaaagaaga gaccaaagca gttaccactg atggaagcca 360  
gtgaagatgg ttgggggaac tccttaacct ttcttgggaa tgttttgaac gaggacgccg 420  
ggtccttttg ccagtcagga accagca 447

<210> 1203  
<211> 472  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1203  
ttttttcagg acacagtgca cttaaatgac atacagcatt taaaatcctt cagacaaagg 60  
tctgaaaaca gtcttttaac gcaagcctaa atcttcaagc acataaaatc tttctttttt 120

```

aagcttaatt tcaacatcac tggaagaaat acctatcggt aaaccctgat nngcattctt 180
aaccacttgc agccagtgtt catgaggcaa aacgtgaccc agagactttg ttcaagttct 240
cctcctaggg cgtctacatt cacggcggtc actccgtttc tgtctccttt tgtttggcac 300
ctgctggtgt gaggatcagg gcttgacaga tgtccgacag ggaaataata cccacaatac 360
tatctgcttc atttaccacc accaagccga tggaccctca gctcttacta ttctgggtcca 420
ggatggtctc caggaatttc cagcttattg gcacttnaaa aaacntttca aa 472

```

```

<210> 1204
<211> 334
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1204
acattattta cgttttagttt attgcagaga tgaagacagc atactagaag ttggcttcta 60
tttcacaccg ttcacagcac tcactctgtt ctccatttca tccactcacc catgcaaaag 120
gtctgtacac gcaatgatgt ctgatgtttc ttgggtttcca tagtgtaaca ggaaacttga 180
cattttcaatt aaaaaggtaa aatgaagaca ttaccatca gactataaaa ctctcttctt 240
gtaagagaat actatagtag ttgaagatat gatttgaaaa aaaatcatgt accaaatgan 300
aggggcacca tttcaagagc actaggacta catt 334

```

```

<210> 1205
<211> 531
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1205
cgctccaaac gggctcttggc tttaatgtgg ttttcttcaa acccaaattg ctgaacattg 60
ctatgaacat aggtcatgta tattgagaca ctgattccgt tttatggagc cctgtggctc 120
atgacagggt aacgagaggg cacgaaactc cagtgcgacg tgctccattt tgaaagcaga 180
taaagctccc ctcatcagag tgaagaggaa agtagccctg ctggaataag gggagagcgt 240
accgcttgaa gacagggtgc tcagatgttt tcattccaag caagacagtg ataacagcac 300
agcactgctc ccattccctgg ccccttttct ttctcactta ctagggtctt ttgcttcatg 360
caaactctgt ggctggactt tgagggatcc agaatttagg atatagggcg ggtccttcac 420
gagggaaagt accgtggctc agccaaaaat cacaagatct cctcaagatt ccagaatgta 480
ttccaaagct gttgtacccc ttntccctcc accggtctcc ctttgcaagc t 531

```

```

<210> 1206
<211> 381
<212> DNA
<213> Homo sapiens

```

```

<400> 1206
ctgaattaaa gagatgaatt tattggtaaa tagataaaat taacacctat tttaatatat 60
ccaaaccctt tccttatata tattaggtaa attaaaagaa aaaaattatc aaagcaatac 120
tacagccagc tagatcgcca atttacaat gagttaagta agtaccataa gtttggttga 180
atatcagggt cttcagagtt tttctcaaac agttacaaaa gagattaggt tcccaatcag 240
ttcacaaaag ctaatttaga gaatgtagct taactacagt actgaggttg tcacacactt 300
aactttcggc ctcttgctta ttattcata tctgagggtc actgtttcta ctaggataca 360
ttccgcccac acccacacct c 381

```

```

<210> 1207
<211> 354
<212> DNA
<213> Homo sapiens

```

```

<400> 1207

```

tgtctggggcc	acgtgggcat	cctctttatt	ggtgcttcca	aggtgctggt	gcagagccct	60
tggctgaagg	gcctggactg	tgggggaggg	tggcagcccc	agagacagca	ggggagagga	120
agcgttcttg	cataaaaaaa	gagttccttg	gtaaggctcc	tgtttccgag	cattcgggca	180
gcaaggggag	tggcgacac	ttctcagccg	aagacactct	tgggtgggtcc	ggctttgggc	240
ttctcaaaga	cagtctcggt	acctgtgcgg	gtgcggctga	acaccgacgg	ggcggccgag	300
cagcttgctc	acactctcgc	atgacctggt	aggtcttgga	cttgatttcc	tgggt	354

<210> 1208  
 <211> 346  
 <212> DNA  
 <213> Homo sapiens

<400> 1208	ctggatcttg	ctctagtgtg	agcactcctg	aacttcacat	attctccttg	tcccaaattgc	60
	aagggtttac	tctcaagaga	ctctaggctc	actgcccata	aacctttgag	ttggacaaaa	120
	tcttaacatc	cctgtggatt	tgtcataact	gccctgggca	gaactctttc	cttctttgga	180
	agtctgaatt	acttcatatt	tgacatctat	tttgaaattc	tgttttacag	ggtttaggat	240
	gggggtaggt	aggcacagga	aagagagtag	agcattctct	cttttctagc	aatttccatt	300
	atcatgcccc	ttctagcttt	tagaccagca	gttctgagac	agggat		346

<210> 1209  
 <211> 403  
 <212> DNA  
 <213> Homo sapiens

<400> 1209	attaatgcaa	acatatTTTT	attaaagaat	gaatgcattt	atgctaaaga	atagcttaca	60
	tatgttgtaa	agcaacaagc	atatcttcaa	gaagtgagtc	ctcctcaata	tgactccatg	120
	cttattctac	atgcctgaaa	actgggcccc	cacacagggg	cacacgtaca	cgcacacaaa	180
	cgcagatacg	gacacacaga	tatgcagacc	gaaatgctga	caccatcgct	ctctagattg	240
	gattagctct	cattttaaggc	ttcttaggtg	ccgcagtgcc	cctaataatta	ccaggattga	300
	aaacagactt	ttaggaagga	gcagcattac	ttcgaaaagt	agtcattctgc	tcttgtcttc	360
	caatgtgtgt	attttaacaa	ataccattta	attctatggt	gac		403

<210> 1210  
 <211> 296  
 <212> DNA  
 <213> Homo sapiens

<400> 1210	gttttataaa	cctttatttg	aaaggctaca	aactttatat	tgccaccaca	tttcttatgt	60
	ttaaagtggg	tgtggggaag	taaccttgga	tacaaaacta	ctatgctggt	gaatcttacc	120
	caggcttggt	gtaaaaatatt	ttttgtacaa	tggaggtaga	gtggataggt	caataattta	180
	aacctcacag	gacttgatta	gtgtcagcac	accttttttc	attcagggtt	tcaggttcta	240
	gcagacctta	gaataaaactg	tgggaatttg	ttgcaagagt	tactgggtggg	gacact	296

<210> 1211  
 <211> 348  
 <212> DNA  
 <213> Homo sapiens

<400> 1211	tttttttaggt	tttcaaagat	tttattaaaa	aaaccaaaga	tatataacac	taggacggga	60
	ccagcggact	tgggggcagc	tcccagctctg	ctgatcagta	ccctctgtcc	cagggtccca	120
	cctggatggt	cctgaggccc	aaacctgtcc	tctcagctgc	ctcctgccct	acaaactggt	180
	gactgctctc	atccagcttc	tgatctgttt	cattttaagat	gattaaaata	ctccccctcc	240
	caattcgctt	aaaaataaatt	ttcaaagatt	aaaaatttca	tttgtgtgtg	tgtgtttttt	300
	taaataagaa	ctttaaatgt	gggatatctc	cttcttcccc	taggtcca		348

<210> 1212  
 <211> 504  
 <212> DNA  
 <213> Homo sapiens

<400> 1212

```

tttttttttc gctacaaatc aaaaggcttt attccttata taaaccacaca cttagaaaaa 60
ataaatagtt aataaattat aggcaaacca gttggtctca gccacgcctc ccactgaggt 120
ccagggcagc cgctgcagca gcagacgagc gggaagggtgt ggccacagct tggtcaagg 180
gcgtggtctg gactggggac gaaggacagc aggaggaagg caaggctctg gtgagggcag 240
ggatgggggc taaagggtggg ttcttgaggc gtgccaggc tctggcccgg gcagcagggg 300
tgaggcaggg gctcagctcc ttctgggcct gggatgatgcg gcgtgcgaac ggctgcgatc 360
ccgagcaagc tgctcccagg ggccctggcg ggcgccctgg ggcgccctctg cccagacagc 420
caggaaatgg acagtgcctt tctcggagaa gcgcaccttt ctggccctta ggggagtctc 480
agggtccgga tcatgagtag ggggt 504

```

```

<210> 1213
<211> 338
<212> DNA
<213> Homo sapiens

```

```

<400> 1213
tgacttctta ttgaatatatt tactgtgtta acgctcatta tttatacaga cattaggttt 60
acagaatatt ctgtttttaca tcaccaaatt tcacagtcgg agaataacaa cataaccagg 120
tcccaattcc tccatgcacc ccacaagctt ctgtccaccc tattttctgg acagaaatta 180
gcacaaccca caggtttttc ctgggccaag tcttcctttg ctgccactgt cttggcttct 240
aatcaagctc tgacaggcca acattgtgaa gtctcacc ctttccattc acttctgggtc 300
tcctagtcta gctaattccc ctccccaga aggttaag 338

```

```

<210> 1214
<211> 458
<212> DNA
<213> Homo sapiens

```

```

<400> 1214
gcgaccgccc tcagacatcc acgacagcga tggcagttcc agcagcagcc accagagcct 60
caagagcaca gccaaatggg cggcatccct ggagaatctg ctggaagacc cagaaggcgt 120
gaaaagatatt aggggaatttt taaaaaagga attcagtgaa gaaaatgttt tgttttggct 180
agcatgtgaa gatttttaaga aaatgcaaga taagacgcag atgcaggaaa aggcaaagga 240
gatctacatg acctttctgt ccagcaaggc ctcatcacag gtcaacgtgg aggggcagtc 300
tcggctcaac gagaagatcc tggagaagcc gcaccctctg atgttcaga aactccagga 360
ccagatcttt aatctcatga agtacgacag ctacagccgc ttcttaaagt ctgacttggt 420
tttaaaacac aagcgaaccg aggaagagga agaagatt 458

```

```

<210> 1215
<211> 486
<212> DNA
<213> Homo sapiens

```

```

<400> 1215
cctaaatggt tcaatgccat aaagcttaca ttcccttgaa gcagagtaca ggaaacctta 60
gcaatatgct accatccagt aggatataaa tataaagaag ctgtatcagc aagggatgct 120
cagggaatgt gtttgcagcc cgtttcacgg tagccgcttg agaggggata ttggaagtga 180
gtgactttct ttcatgtggc aaagtttcct tatctcagca cctactcttt ctgatggtat 240
gtttttgaag gctgcacagt acgactctgg gtaccgtgtg tacatacata tgtaaggaat 300
aacgtttatg ttgtcagaa taggcacttt ttgaaggcag taaatctaaa agtaaagtta 360
atagagccta tatttagtgc tcatcttctc actttgctga tgtgtatgct gaacagaaga 420
tcacagattt gagtcagtct cgcaaagagg ccggagtcgc aaatggctat attcagagct 480
ggggaa 486

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<210> 1216
<211> 408
<212> DNA
<213> Homo sapiens

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<400> 1216
cagcaacaaa aacctgtatt taagcggcta attccagaga tgagtagtgg agagagcaaa 60
tgagcctggg tagagctcac tctgggagga gtatgtggac gacacttggc tgtctcttca 120

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ggggggccagg ctggggcccta gcactcccgg cagtggaaag gcagagctgg ctgccagctc 180  
 tggcctccgc ctgggattca ctcccatcct ggctcagatc tgtggctgtg cttcaccag 240  
 tgggtectcc ctcaaggagc caggcgggat ctggaagggt ctgcttatcc ccaccacaga 300  
 acgcagactg ttgctgtagt aacagaggag aaactcatct tcagtggtag ggatattgct 360  
 gatgtcgatg taaacctggt tcagattgtc gctgcaggag accttgct 408

<210> 1217  
 <211> 249  
 <212> DNA  
 <213> Homo sapiens

<400> 1217  
 ttgagcagga gtgggctcaa gttttatttg gaatcattta aaaaaaaaaat tcacagcagc 60  
 ataagtgggg tcagaaggac cagaggggtg gtggggccga gggagggcag tgagggttgg 120  
 gcagcagcac aggtggacag gccaaagggtg gccaggaaga cgagggcagg agcgtgggca 180  
 gccgcattgtc actcaaggcg ggcaactcctt gtgctaggag gggatgggtg ccaaggcaga 240  
 ggagcgctc 249

<210> 1218  
 <211> 218  
 <212> DNA  
 <213> Homo sapiens

<400> 1218  
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 atggagcact agggatacaa gaggcaccaa ggccctggggg gtgggggttg gggacactac 120  
 aacattgtca tggggaaaac gggatcacct aatattggta ggggaaaagg gcggtccact 180  
 ggcagctcag aactatgaca tattcctcag gggagcct 218

<210> 1219  
 <211> 347  
 <212> DNA  
 <213> Homo sapiens

<400> 1219  
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 cctgctgcta cacaggacat aaaagtgcaa aattccacca ggaagggaaa caaaacagtc 120  
 ttgagacagc catgtctcag aggtgaagat tggaggagat tttaatatag ggtgtgaatt 180  
 ccaattcaca tctcttccaa cgggacctct ttccgaagtc ccgggaacta acattcatca 240  
 acacctctga catccagag gatcgcaaca ttccctgccaa ggggttattac tcccatttcc 300  
 cagatgaaga gattgagtc ctgcagcacg caattagaca gtagcag 347

<210> 1220  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<400> 1220  
 tttcagatca cgacaacagg taaccttttag tcagaactca ccaccactg tgттаagcct 60  
 tacatgacaa tcaccatgaa gatttacata cacatgttat atcatagtct cctcacaaca 120  
 tgtctaagag gtaggcacgt cattgttccc attttgcaga tgaggaaact gaggttcaga 180  
 gagggcactt ggcttgccca aagtcacaca gcagggagtg gcagaggaag tcaggttggg 240  
 tgacccagc aactgctctc agaggctggg tgatgaccgg ctctctggct tctctggaat 300  
 aaacctttgc caccacttcc tgcatttcag cttcagtaca ggcagagaat ggggataggt 360  
 gggggaatga ggtgagagg gagatgttta gaggtg 396

<210> 1221  
 <211> 339  
 <212> DNA  
 <213> Homo sapiens

<400> 1221  
 ttttttagaa aagaagttgt ttttatttta attcaagagg gttggaaaca taaaaacagt 60  
 acattttcct tgcagaaaat taccctattt aaattactat ttggtacaga gattatttat 120  
 tacactgcat tttaggcaat tttctaacat taagtacaa gttatacttt tgattttttt 180

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tttcacattg gagctattat gatttgcact cataatacca aagctactga actcaccaat    240
ttttttctta gtaattaaana aaaagcacac agaaaatata actacaatta gattaacttt    300
atcaaaaagta actcttttcag accaaacatc cagcaaaaac                        339
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<210> 1222
<211> 368
<212> DNA
<213> Homo sapiens
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[illegible]

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<210> 1223
<211> 337
<212> DNA
<213> Homo sapiens
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Position	Sequence	Count
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	aaggaaaagg accagactgt actgtggcca tgtacacaaa ggcatgcacc acatcccagc	120
	tctgctgccc tgggctgtcc cacaggcagc tctctagaac ttgagagcct caaaaggggc	180
	ctcatgaagc ccagatcttc cctgggtcaag ctgatggcat tcgtataact gaaagttggg	240
	gaagaccacc aggtcagtgg agtggagagg ttttgtatat ggtcttcttt gaagaaactt	300
	acttcttgca agccctggca tcttccaatt ggctgtc	337

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<210> 1224
<211> 437
<212> DNA
<213> Homo sapiens
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<400>	1224						
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ttacacaaaa	tcagtgaatg	gtttgtaaag	ctacaccaat	ggacagatgt	ttacagttga		120
aatcatggga	tttacataat	ggcaaaaatg	tatatgtata	tttataacat	cctctatata		180
caataatcag	tatagacaga	gaaaatgcac	ttaatctttg	caaatcatgc	acaccacagc		240
aataacacaa	aatgtttttt	ctgtaacaag	cttttccact	ggctcaggct	tcattctgct		300
ttccaacaat	acctatcagt	tttaaaagca	aacattttca	attaaaacta	aagaaaattg		360
aaataccata	gtgatctact	aactatttta	aaaacacaat	tgtacacaaa	atagttttac		420
tctaaaacac	tgtgact						437

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<210> 1225
<211> 291
<212> DNA
<213> Homo sapiens
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<400>	1225						
tttttttttt	tgtttttgtt	ttttttgaga	aagagggttt	atttagcaca	tctcagagtt		60
acagctctta	cagaaagaca	cttgtctagg	cacagcaggt	gtgttcaa	ttatatgaat		120
gactacttga	gttcagacgg	gattacgttt	ttcttgcttt	tgacttatat	tatttcacac		180
atcttgaatt	ttagagtcta	ggcttacaca	tcgtccagtt	tcttggcatg	gcttgcttaa		240
tctgagcttt	caaacttcag	attaacctgg	actgaggcta	agagtttata	a		291

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<210> 1226
<211> 452
<212> DNA
<213> Homo sapiens
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<400> 1226  
 ttttttctgt tacgccgtca atgcagcagg caatgagggg aatgacacag ccctctcatt 60





tttaacaatt	gcaaagattt	tatttagcgg	ctttctgtgc	ttggccttag	aaacagagtt	60
ccgtgcataa	gggcaaattt	ttgtacacct	tttcttcata	catattttac	ataccctttt	120
attgccccct	ttttcatatt	cataatattg	gattccccac	taggcacata	aatacattta	180
tctacaacac	ctcaaaaacca	gaaactttta	taatatctgt	attattttac	ttggtattat	240
ttgcatttcc	acaccattta	aaaatttttag	cttgcaccaa	gcttcacttg	ctttcttacc	300
attaaaagat	ttgaagggaa	agggaaagat	gaaggacaaa	acccaaaact	tcaaaatgca	360
atgtactatt	tgataaaaat	ggagatctaa	gggcaggtag	aagggtatag	aagacccatc	420
tg						422

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<210> 1231
<211> 211
<212> DNA
<213> Homo sapiens
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<400>	1231								
gagaagtgtc	agtttaaatga	agccagctta	tca gcagggc	ggcggagaca	cctgccccct				60
cgcaggtgtg	cctggctcgg	gctaaagtgc	ctgtgcagaa	cgaggctgcc	tggcgggggtt				120
aggagtcggc	gccctcgtcc	tcctcctcgg	gcaggatctc	caggctgctg	tcgggctgcg				180
gggctgtgtc	cgtcgagggc	ggcgggggtgg	g						211

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<210> 1232
<211> 306
<212> DNA
<213> Homo sapiens
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<400>	1232						
ttttttttttc	agtgacttat	caaaaattta	tttcatataa	taaattatat	aattttat	tttt	60
catctttaaa	cagtctacac	cgaaaacatt	tttggaacaa	tcttttctct	ttggtaaaac		120
aggtttagcag	gctgacatca	gcttcatatt	ctcatggcta	aaatccccca	cggttataca		180
gttaagcata	gcctttcttt	gtatttctca	agttgacacc	acttgatata	aactcagaca		240
atataaacat	ttctagattt	tgcttaaggc	cttagcttta	actgcagagt	agtgagtagg		300
aaatta							306

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<210> 1233
<211> 589
<212> DNA
<213> Homo sapiens
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<400>	1233						
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aagaacctgt	tctaaaacac	tgcttcttaa	agttcaatga	gcatacaaat	cacctgagga		120
ttttgttaaa	ctgcagattg	atntagtaaa	tctggggcag	gcctaaagtt	ttgcatttct		180
tttttttttc	ttttttttga	ccagggatcc	aaagcagtag	agatttttgca	tttctaaaaa		240
agttcccggg	tgatgctgat	ggttctttaa	ggttctaaag	ggtgttaaata	tagccatgac		300
tcgaattagc	agaaaaaggg	atgaaccaac	tgtacacata	atccaaaagc	ccaggggtag		360
acctcaggca	tggctggatc	cagagggcca	cataatgtta	tcaggaaata	tatttggccca		420
tttctcaggt	tggacttcct	ttgtgttaat	ttcattccca	agcaggctct	cccaggtgg		480
tggcaagatg	atcgcattag	ctcaggctac	atctagcagc	tcacaggaac	tcattccaag		540
tqctaqaagc	ggctgcac	ctgacaatac	tgtgccgggg	gaactcttt			589

```
<210>      1234
<211>      408
<212>      DNA
<213>      Homo sapiens
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<400>	1234						
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caataaagca	ggaacagcaa	acagattttt	ccatcacatg	acaccctcag	ctgattggcc		120
ataactgctt	tgactgctgt	gtggacaaag	attccaagga	tgtacttttg	ctccatggga		180
aggactactg	caattttatta	gcggtatctg	taaacatggg	gaataaatct	gaaacctcac		240
tagccatacg	agaagccaca	ggcaccaaga	ctggcggttc	cactgccaaa	gccagcactg		300
gtgctcggtc	caccaccaa	gccagcacca	gtgtttggtc	caccgccgaa	gccagctcct		360

gtgctcggtc caccgctgaa gccactggtg cttggtccac tgcagaag 408

<210> 1235  
<211> 439  
<212> DNA  
<213> Homo sapiens

<400> 1235  
ttttttttat agaatctagc aattaccaag acatttatta gttgtcaaaa agctttacaa 60  
tcagtttcat gatcagaaaa tagagcaaaa tttcaatatt gttttcttta taaaattgat 120  
gaattttctga aaagataaag gatcatttga tttttaaaaa tgtcagcttc atcacatgat 180  
gttccagaga tctgacccca aaagcttctc aagttttact atccatagtg tccttatttg 240  
taactgagac ccatccgtta ttttccatct gaagcttctt cagcagttta taacaaagtg 300  
aaagaagttg gactaagaga gccatcatgg atcttgtctt cgtaatacac ttgtcaacct 360  
ttagaaatac tttattctgc aaagaagtct tagttactgt ctggagctgg tggcatagag 420  
gaattagctt gtttatttc 439

<210> 1236  
<211> 110  
<212> DNA  
<213> Homo sapiens

<400> 1236  
gatccctgaa gttgccttgg tctctgcacc ttctaaacct agttcttaag agctttccat 60  
tacatgagct gtctcaaagc cctccaataa attctcagtg taagcttctg 110

<210> 1237  
<211> 293  
<212> DNA  
<213> Homo sapiens

<400> 1237  
gatcaaatta ttttcttttt tgttgtttac cctatcctca acaacatttt tagtttaaat 60  
tattgtagag attttttttg tgggtggtat tttttatttt gctccaaaat aataaggtgc 120  
aaagctatth tatgcttaac tgttgcctctg tcaaaacagc tatgcagtgg agttgcattt 180  
gatgttctag agtttgatta catgcagagt tgtatatagc caaaacttct cttatcaaac 240  
tctgttatgt aggcatattt atatatacat taaagactgt tgtactgtgt ctc 293

<210> 1238  
<211> 229  
<212> DNA  
<213> Homo sapiens

<400> 1238  
gcataaaaaa cacaatgvtt taattttctaa agcacttata ttattatggc atgggttttg 60  
vgacagggtta ttatagtcca cataggtaag tatgcagtgc ttctcatgga aaaaatgctt 120  
aggatttggc cttttctctg gaaaccatat ttttctttt ttaataatca actaagatgt 180  
atatgtaaga crgcctcatc ttttgatttt taatatacaa gatgctttc 229

<210> 1239  
<211> 286  
<212> DNA  
<213> Homo sapiens

<400> 1239  
ccactccatt gttttattat gtacaaacgt tacagaacgg gggggacaga cacgsgtggg 60  
gtaagavggg cctgggggga ggggttcaca gagcagacgg tgcactggga ccaggggagc 120  
agaacacagg ccataactat agggcaggtg gggcaggaac ggggttaaaaa cgggatccaa 180  
gccagccaga tcgaaggagg tgcgggggag tgcgtcccctt ctgtttctccc cccaaggtca 240  
cagtgcattg aataaaaatat atatacaggg gctagaccgg tcctct 286

<210> 1240  
<211> 294  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c



gatgccattc atgcagttct ggtgtggatg gtgtcatccc ttgcaaccc tccccgattt 420  
 ttggaagctg agaggcacat ctcatctcat gggcagtttt ccttccccca gctcttgc 478

<210> 1244  
 <211> 510  
 <212> DNA  
 <213> Homo sapiens

<400> 1244  
 taaggaaaac accatccagt ttatttttct cctgattcat ctcatgccaa cacacagact 60  
 tcaatggaca gcaggcaaaa tggggaggca tccccagagc aagccgattc tctacacact 120  
 gccttccctt cctgtaagac tcatcaaaaa ggcaccccaa ctttgcattg atctgctgtt 180  
 ggtattcctt ggggtgaagc cagaagtcag gctttccaca gagagacggg actacatggc 240  
 cacctgggaa ggctagggag tcaaagggcc tgaggaatga ctacttccct ccacaagggc 300  
 attccctgcc ctgctctgct tccctggggc ttcagcaagc cttccttcta gagctcctag 360  
 aaccctccca tgggtcaacac aacagcagcc cagacaatga gatgcaagag gcctgagctc 420  
 acaggccatt caggtaagcc aggggtgagct gggcagctag atgacccaat tttcagtcca 480  
 gaaagctcta tctgctggac taatacttcc 510

<210> 1245  
 <211> 407  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc.feature  
 <223> n=a,t,g or c

<400> 1245  
 gtttgtttat ttttacttta ttattttttt gaatactgac aatacacagt tgggtgaatc 60  
 catggatgtg gaacctgtgg atggaaagag ccaatttctg agggtaacaa atgggaaaat 120  
 gatttcgttt gagtctaaga ggttggcagc nttccaattc ccctctngct gagtgtagcc 180  
 aaaagaagtg aatgggttagc acagggcttg gaatacccaa gtcctcaaaa atgttggagg 240  
 gtatgagaga aggggtaatc ccaagatgag gtccctggag aaaggancct acagttaagg 300  
 gccacagcag gccttcagc caaagatggc cagctattac ccacttcctt tttaatccag 360  
 ggtangtaga tgggtccatnc ctaatgntaa taaggngggg aaaaaag 407

<210> 1246  
 <211> 355  
 <212> DNA  
 <213> Homo sapiens

<400> 1246  
 ccatttcaat ttgtatctgc taccctatct tttttttttt gtatttttgt attttttact 60  
 ttcctttatt tgcaataaat ggttgtggat tacttctgga aagcagtaaa tcctaaaatt 120  
 gacccatagc catttattcc taagaacata aaaaatgcaa agatctaaaa aattaggaga 180  
 caattcaaaa ccaatgatat aatttaaata tgttttgtga agaacagggg tgcatgatct 240  
 tgtttttcat atcctctcat ttgtaggcag aatgtgtaaa tcatgtacaa gtgaaatgta 300  
 tcttcttttg tatgataaaa ggcaaagtgt cagcttggtt gataaagcag ataga 355

<210> 1247  
 <211> 448  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc.feature  
 <223> n=a,t,g or c

<400> 1247  
 caagccatga aaagcctttt aatgacaatt ggcacacag gtataaataa atatcttctt 60  
 ctttccatct ataatatgtg ctacaaatat atttttcaaa ggtccaaccc aggttaggag 120  
 gcttcaagga ccctttctta gctactgatt ttagtaatta aaaaaataaa cacaataaac 180  
 acccctggca tctttgtgag cggccccctg cgagagagcat cgagggtgt caggcatctt 240  
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<213> Homo sapiens

<220>

<221> misc feature

<223> n=a,t,g or c

<400> 1252  
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acaagaatta ctactgtttg gcgtttgctg aaagaagtag gtgagaatat tatatgcttt 120  
agaaaccaca gagtcgaagc ctgtcatcgt cctcatagac caatgagtag ccacacgtac 180  
ttgtttggca ttaccaagtg tccgggcaag gccgcagcct gcagctcacc agccgtgctg 240  
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tccatcctct ctctctctgg actcacagcc agccagggtt ctagccttgt cattcctaaa 360  
actactgcct caagccaggc gggggcgaca caaacttaaa atgctaattc ccacagcggg 420  
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<210> 1253

<211> 409

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<223> n=a,t,g or c

<400> 1253  
agtctagatg aattttattgc cattcacata tttcatagaa aaaaagatgt agcaaacggg 60  
tcagggttgt acaaaaaaaaa aaaaaaatcc aggtttatat aggttgctct atttacatct 120  
gagagcacag ctgtcctggc atcaggcaca gcagctgcac ttgtctgacg tccctttgca 180  
gatgcagccc tgggcacact tggcacagcc cacaggnang caggagcag cagctcttct 240  
tgcaggaggt gcatttgcac tctttgcatt tgcaggagcc ggcacaggca caggagccaa 300  
caggcgangc aggagcagtt ggggtccatt tgcaggcaag gagaagcagg agttcccgat 360  
tcaagaggaa aacacgcagc gggacagatt ctctgtccga attcttggc 409

<210> 1254

<211> 423

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<223> n=a,t,g or c

<400> 1254  
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agcaggggtc ctgaacagtg gtgggctcag gggattggag ttttttcctt tatgtttttc 180  
tgtattttcc acaatccacg cttttcattg ccattccatc agatgatgtt aaggaggaac 240  
acagatccag tcacctgagg ggatacttcc tctactgccac cttctcaggg tttagaccaa 300  
catgtgggtt ctagtttccc ccagncccaa agctntttccc tngcaaggaa gagatcagtc 360  
ttttgagcaa attttggtc aagactaaag acacagaagg cgaggctcct gcatgcacag 420  
cac 423

<210> 1255

<211> 452

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<223> n=a,t,g or c

<400> 1255  
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ggacgtttga cttctaatac cttcctgcc cgaaccaatt gacacaaaac agaatacgtt 120  
gttaaaggac agattttttt ccccttcagg gagncaaagc attaacatgt catttctcta 180

ccaggatatt aaatagttta tttagaagaa atgagttgaa gtgagcgatt aagagacaca 240  
aactggactt ttgttttctt ttactgtagc acccaggttt catgtcagtc tgtgtgcacc 300  
gaattttttt tttaagttaa cctcattaat taccagctag gtggttggct tgtttaaaag 360  
aaaaaaaaatt cttgggcca ctgttccttc cctggaatcc taacaagaag ttaaattgcta 420  
acagtgcgat gccggggtgt gtgtttgagg ca 452

<210> 1256  
<211> 289  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1256  
ttaacaggag acaggggttt tattattact caaatcagcc tccctgaaaa tttggaggct 60  
aggggttttt aaaggttagt tggcgggcag gggttggagg tagagcaatg tcatttagct 120  
tgctcacttc catctgccag tttggnagct tcttggtga nagatggcgc cgggcatgct 180  
tgggtcaaatg gtcactctc atgaaccgcc ggtcacacat ggggcacgca aatttcttct 240  
caccctgtgt ggttcgcctg tgtctggaca gttcancaga acgggcaaa 289

<210> 1257  
<211> 111  
<212> DNA  
<213> Homo sapiens

<400> 1257  
ctattttttg tataaacaata attgcacagg tttatattgcc acctccgct cctccctgcc 60  
tgctgtgtgt tgcccttcca cctgcagctc aggggagggc ttctctggcc t 111

<210> 1258  
<211> 399  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1258  
acacgttcag gggcctttat tactgcgggg ggtggggggg ggcgggggtg gttaggggag 60  
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ctctgaccca ggatgggctc ctagcaaccg attgcttagt gcattaaaaa gtggagacta 180  
tcttcacga atcttgctt cagaggtaa gntctgtctt tggtgttag aaaagttcct 240  
gaaggcaaaa ttctcatata ctctcctaaa tatttntgcg aagagtaaaa cgttcagcaa 300  
acacattnat ttggaagttc cagtagtaa tgcttgggca ntttttttgc aaggtgaggt 360  
tttgtctaaa ggccccaaca gggcacaatt atctccng 399

<210> 1259  
<211> 423  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1259  
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agtaactgga cacgaacgat atgtttctca aactcacaca catattcgtc catcacacac 180  
acactcaaat gataaagaan tacattgaaa tcctctacaa aagagatctg aggacagtan 240  
tcagatgacc tcatgtgcgg acagcctntt gcagtttaca gtctaattcca tttggtcctc 300  
acantagccc tgtgaggata agcagcacag ggattactnt tcacaccgtt ttgcaggatg 360  
agggaaactg aggtcaggg gatgtgtaaa caccagccta aggttttcca gttgggagac 420

tgg

423

<210> 1260  
<211> 440  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1260  
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actctgctac ctcttagctc tggagggtaa aaagcaaggg ccagagcaaa tacattgggg 180  
agagggggag aaaaaaaaaa tcaggctatt ttaatagccc tcacatgcca agtgcttttg 240  
attcatcatg tttagttttc ataagcttgt gaggtagata atattatccc cattttatag 300  
atgaggggaat ttaggctcca atggggntaa ataacttgta caagnacaca tactggaatg 360  
actgccatga gggaggggaat gtgaattttg ggtcacgggg ccaacaccct acactcttcc 420  
taccntgcc acactgggca 440

<210> 1261  
<211> 211  
<212> DNA  
<213> Homo sapiens

<400> 1261  
tttgtcaaga gccaaagacac aggtaatgca cgacattgat tgctgcattt taccttcaaa 60  
atatttgtcc ttattgactg ggtctcctta attaattgtac acatgtcatt agaatgcaga 120  
cggaggggac tcaccatgaa tatctggggg tgattcccag atgtgtgttg cttctctatt 180  
gcaagcagat tcccttgtcc ggatttactt c 211

<210> 1262  
<211> 341  
<212> DNA  
<213> Homo sapiens

<400> 1262  
tttttttttt accccagagt atttttatta gggattcctg ccaccatatt aacatataaa 60  
acaatctgga tgttgacata gaaatgcaaa tttcactata caaaggtaag gtcctaatca 120  
cagtaacatg gccccatat ctctagtatt tcaatgaaat aaactcattg tgaattcacc 180  
ccgagttgtg tttataaata ttagacaaac cacaaaatat attccaaata cataacattt 240  
tacaatattt ttcaagcaca gacaaatata tactttactt tacctacatt gttttcatga 300  
tccaacttgc attagcacta aaggcaatat tgtgtgtgta t 341

<210> 1263  
<211> 342  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1263  
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gagtggaaac acctagagga agttgataag tcagcaagtc ggcagcagag ctgacaagct 120  
gggaccaggg gctgtctcct ttatgtcaaa tgggccagcg tgacacagac tgccccggga 180  
aagcctcgga acttctcgga ttgggacaga gtgctggggc agggaggaaa tgtctcctct 240  
tgcttattcc cttggccaac tcaagggaag acgcttctcg gggcctccaa aacctnngtg 300  
ggtngattcc atgtaactca aggccccagg gctcactggg ca 342

<210> 1264  
<211> 510  
<212> DNA  
<213> Homo sapiens



<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1264  
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actaaatatg accttttcag aattcaattc tcacagtatt tacagtgaac tttgtgcaaa 120  
caaatcccc tttgtgcaaa gggggagctt cctgtctccn ttggcacatt aataacttac 180  
aaattcagat cacaacaaaa cccagactc tagttttctg tttgaaagggt actgagctgg 240  
gataatgggt tgctaggaaa gagctaattc aagcccaaag gaaataaaat gttttcttta 300  
tcagaaaaga ataataacaa ggcctcactc tccaaaggaa aacagacgtc ccaagatggt 360  
gtggaacagt aattaagtaa ccaaatacaa ttccaatggn ttatttcacc ttcattnntt 420  
atacttacnc tcatctcttt taattaaata agcgaaacca ggaaagtgca ntgcgaagggt 480  
actctgaact gtcaggggaa cgttntaaaa 510

<210> 1265  
<211> 396  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1265  
gggcggagtc agatcggtt taatagaggg agcctgagga ggctcgngcg tgcgggcneg 60  
gccagcccc tcctacttgg ctgcggctgg cgggtggggcc tgggcgacgc tgggtgcggcc 120  
tggatggaca ggactccctc gggggacagc gcggacgtca cggcagccgg atccacgccca 180  
ggcggcaggg ggtacgacgg tggaaactgc gcgcgacgaa tccgtgctca tccgggctgt 240  
cctcgtggcg cgcgtgcacc tccacgtggt cgcgccaccac cttgacagca atttcctccg 300  
gcgagaagtg cttcacgtct aagcagcacc gaaaagtngc cgggggtccgt cggnacctgg 360  
ggcgacgggc aagcgacgc tgggttgcneg gcaggt 396

<210> 1266  
<211> 586  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1266  
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ccccgcctt ggacagtttt ggaaattgtt cccagggttc aactagagag acacgggtcag 180  
cccaatgtgg gggaagcaga ccctgagtcc aggagacatg gggtcagggg ctggagagat 240  
gaacattctc aacatctctg ggaaggaatg agggctctgaa aggagtgtca gggctgtccc 300  
tgcagcaggt ggggatgccg gtgtgctgag tctgggatg actcaggagt tggcctggat 360  
ggtttcctgg atccacttgg tgaacttgca gaggttcgtg tagacacccg gtctgttggg 420  
ccgggcacaa gggtaatctc cccaggacac gaggccctgc agggagccat tgcagaccac 480  
aggcccccca gaatcacctt ggcaagagtc tctactgctt tgtcaccggc gcagaacatg 540  
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<210> 1267  
<211> 363  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1267  
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tgggggcatt	taccgaaccc	gataatcgca	gccactggag	ccgccggaga	ggctgggcca	180
cctggacgcg	agctcgggac	cgaagaagcc	cctttctgca	gaaagcgacg	gatgcgagtc	240
cttgacgtcg	ttgtcatatt	tgctcctttac	accagtnntga	aatatttnt	cttaaantcc	300
cctcgngggc	gaattctttg	ggctccgag	ggcnaaaatt	tncccatag	tggagtccg	360
tat						363

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<210> 1268
<211> 479
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

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<400> 1268						
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atTTTTTggt	aaatacatat	TTTTTataga	gaagtaatcc	atgaacctgc	aacatggata	180
gcttatccaa	ccaactttac	aaattactat	taatataagt	tacatgcttg	ccatctaaag	240
taactaaacc	catagactga	aaaactatgt	gtcaaggtaa	cgtgagcact	ttaatcactt	300
tacttatatt	ttctaaaggc	agtagtttcc	tctccttttc	ccgctatcca	tattaggatg	360
aagagacaag	ttcctttcca	acaccaaatt	ctggatatcg	ggctattggg	ggaggaatcc	420
ctgggtggcga	gtcagctaga	agccccctggc	cacccaggnc	caggtggcca	acccaatgg	479

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<210> 1269
<211> 513
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

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<400> 1269						
TTTTTTTTga	aagccgtaac	atttattgaa	gagcggacat	atgtttgcaa	atcacagtgt	60
gcattgggcat	gcattacatg	gttcataatg	ctattccaat	taggcTTTTc	atagtgcett	120
ctcataacgt	cctttaaaaa	aaataataac	tgaaagggaa	aagaaagtgt	caattgcaat	180
tacattttaca	aaaccaaact	gctgctttca	attagagtga	atctgtgctt	cgctactcag	240
atatacacat	gtagattttc	caaggcccat	gcacacactt	ctgtaggggc	agaaattttc	300
tatgaataat	ggcttttagca	acccgaatag	tatctctaaa	cattgacaag	cttggggaac	360
agggcaacaa	gtgcaatgaa	caatacaatt	tctaacgttt	gtcccagtca	acataccact	420
ttgccctgga	gatattttaac	acagcatttc	atTTTTtgaa	tgataagggn	taattcntcc	480
aatttanggg	gattatacng	aatataccna	taa			513

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<210> 1270
<211> 386
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

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<400> 1270						
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ctagttgggt	ctttattaga	gtctcacaa	gatgtagtaa	gataatagct	gtggctgaag	120
tcctctgaag	gcttgTTaag	gctggacatc	caggatggct	cccacacatg	gctggaaatg	180
atgttggtg	tcagttggga	gcttagcttg	ggatttcagc	tggagcatct	acacaggaca	240
cctccatgtg	gcctggactt	cacagcatgg	tatctgcaag	gagatggaga	atgcccgtgg	300
aaatgggtgg	gatataagct	tccggcaaat	tgcaagcaca	aaattccgat	cnaaagcccc	360

caaaagcacc atcaaaacct taaacc

386

<210> 1271  
<211> 403  
<212> DNA  
<213> Homo sapiens

<400> 1271  
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tttaagcaaa taaaactgtt tggatgcttt ccaggaaga ttggattgcc ctccaggcgt 180  
atctcttcaa tgcgggtcccg gatgtaactg gtgtcattag ccttgcagaa tgtgtcatct 240  
gtaattgaag ctatgttggt gaactgaaga tgaattacac gtagactttc tggtaaatta 300  
agaggcacgg attccagggc attatgggtc caagtacgag gaagggtgagg ttattcagtt 360  
ttttgaatgc atttgctttg attccctac tcttgatttt gtt 403

<210> 1272  
<211> 410  
<212> DNA  
<213> Homo sapiens

<400> 1272  
aaaaaaaaa caatatttag tctttctggg atatcagctt ctgcctaaat tgtgagaggt 60  
ggtgtttcaa aagacacacg caccagtggc cccggggaga gctgcattcc aggttcctgt 120  
cctacgtagg cccctacggg tagctgggga caccagtctc ctccactcac ttggcaggag 180  
tcaggactgt ccacctcttc aactggcaca aggcccaagc agcatggggg ccctgagtga 240  
aatggagggt cccacactgc ttccaggaca ggactgtcgg gggctctcct caccctgac 300  
tggccacag cagcaggctg ctctggcgt ttggcagcag tcgtgatggg gctgcagcag 360  
ctggtgagtg gagtcgtcgg gcagtgtgta taagaaagag ccctcgtccg 410

<210> 1273  
<211> 434  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1273  
ttgggtggga gctaatatgg tatatttatt tcacagtctc acatctttat cattgttttt 60  
atataaaaac aatgcttaag tggggtttca gaacagatat ttccttttaa acttttttta 120  
aaaaatcaca aatatgattg gctcatataa ccacatttca cctcttttca ccagcactcc 180  
caccatttcc cgttagaaat attttgtaa aaaaatcagg tgatcaaact catagaaact 240  
gaattgtgag aagtataatg gggaaaagga atgagaacct gtggctctag gggagttaca 300  
gaagggaaat catcttttag agcccttggg ttatttctga caggaaagggt aaagccgtgc 360  
atttattaga cccgggagc tanggaattt aaagatggcg agattgtcta aaataactga 420  
ggctgaactg ggaa 434

<210> 1274  
<211> 408  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1274  
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catgcttttg atgtgtcagt acaagacagt atgtgagact gtgattctgc caggcagagg 120  
ggaacgggca tgatttatct gctggcaaat aagtctccac tataccctaa tcattctttt 180  
atcctaagtg catcatgatc tccttagtcc tgggacgtca aaatagtcaa ttatgggctc 240  
cttggtaatt tcctggtaaa ttactgctcc caggatcctg gtctgacnga ngtcggtgat 300  
ggggaatcgn tgggtggaggc cgtgctgnat ttccctttca agcanacctg tcagcgtggg 360

aggngggccaa anggatttcc ccctgatggc agtgaccacc acattgcg

408

<210> 1275  
<211> 613  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1275  
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aagttattcc tgtaattact atttttaaat agtcttctta actgtgggaa aactttacc 180  
tccccagca cgcacacaca tactctcctg tgatgaggct gaatgctatc cagtgcactg 240  
gttcagtcag caatctgccc atgttcctgg gagaaatcag tcccagtcct tttgctgtca 300  
tggtgtctcc agagccaccc ctttctgtaa caagcatttt gaaattcatc catgctcatc 360  
tcatttggat ttcaatgttt cctccactc aacagccgat tcggagtctt tgggaattgt 420  
tggaatatt gattgcattt tacttcgaaa gtcgttcata ctgtgaactc ccaaagc 480  
ccagactgcg acgaaatcac accaacccca caccatgcat acagggagnc ccagcccaga 540  
gctcgcaagg caaggnaga ccgcnttcg ggaatgcagc cgtgggcaac ttccccta 600  
ggaccattcn ggg 613

<210> 1276  
<211> 484  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1276  
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tccgagccat ccacggaagt gctgcagacc tcgtacacga aaatgtcatc ccgaggcatg 180  
atgtggttta aaccttcatc catttggaaa attttgtgga atcggtgatt atacacatct 240  
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naaa 484

<210> 1277  
<211> 512  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1277  
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gacaggaagc agccctggac angagagcct gcaaacggag ttnccttatg nnaatgtct 180  
gaacttctca tacattctag gatttcatgt ttcgttacaa aggaaaggaa actggctaga 240  
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taatccttta ctgtcatttt ctctttgaaa ttgtctttgg gactggntat gtntcactg 420  
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512

<210> 1278  
<211> 456  
<212> DNA  
<213> Homo sapiens

<400> 1278  
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gcagaaccaa gcagactcaa ggcccttggg tgcttggaca caattagcta ttaataacat 360  
ccaggaaaaa gctcagtctt ctgagtcagg aaaacctggg ctggagtcct ggctacactg 420  
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<210> 1279  
<211> 410  
<212> DNA  
<213> Homo sapiens

<400> 1279  
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aacatttttag cttccaatTT catataatgt tatacagttt agaaggagat agtctattcg 180  
ttaatagaaa tagtaagtgt actTTTTttag cttctgctgt gggagcatgg catacaccag 240  
cttgggtggg ggggaaagcg ggtctgtaat gttccagcct ctgggtggct ccatcggtcg 300  
cttttgggca acaccagct ttagagatct tttttgttac tttctgactt tgcttattct 360  
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<210> 1280  
<211> 434  
<212> DNA  
<213> Homo sapiens

<400> 1280  
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taaaaataaa tgtacagtaa aactacaagc aaaagtttgt cagtattgaa ttgaattttt 180  
taccctttaa aaggactagt ataatttcca atctctaaca aaaacttagt gtcaaattctc 240  
acagataagg ccaaattggc gatattttca gttatgtggg tagtacaact tgagtaacct 300  
tttttacatg acaaaaagtg agttatataa attgtcctca actttcacat aggaaaaaaa 360  
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agctttgttc tttg 434

<210> 1281  
<211> 314  
<212> DNA  
<213> Homo sapiens

<400> 1281  
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tagaaggcag atcactagtg tgtggaatga aatcatcagg tttctcccat ccgggatccc 240  
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<210> 1282  
<211> 442  
<212> DNA  
<213> Homo sapiens  
<400> 1282

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tgtctgtctt cacatcgact ttgccaggtt tcagggtctg gtcctctcgg acaatgctac 180
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cccagaagag ccgcccacgg ccgttcagct tggagaagac atacaccact tggccccggt 300
gaatggtcag gaatcggcag tcgggggcca tgtagtcttg aagggccaca gcatgtgaga 360
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caccctgac accaggtccg ga 442

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<210> 1283
<211> 350
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

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gggggacact gtgatggtgt tcttaagctc atagagtggc aggttgctctg aaatgccacc 300
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<210> 1284
<211> 420
<212> DNA
<213> Homo sapiens

```

```

<400> 1284
aaaactttta aagaagttgt ttattgcaa taattaaaga gctcaaaggg aagtcattta 60
accatgagat tgccaaatag aactctacaa cagctgattc aaccttttta aaattttccc 120
tggggagaga cttcactact atctctgctg atggactcca tagttctcat actttacctg 180
aaagttcttc ctaacatctg atctcaacct ttcttgccgg ggcattggcc tgttttccca 240
gccaaagcctt gtttttgttt ttgaggaacg aacagctttt ttgggtacag accaggagtc 300
catgggtctt gaggacctct gtgtatttat cagttttctt ctccacattc tttttggcct 360
gtctccatag acttgtgagc cccatgcctt gtttaagggg gaaaaatggc atttccttac 420

```

```

<210> 1285
<211> 239
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1285
ctaaatgctt taattttttg tcacaaatat ttctgcatct ctcagtccct tcttgttgga 60
aaaaggaggg ctagtgatac atttgttaat ggcactttta aaangtgctt tggatatag 120
aggnaaacaat gtacttcnna ggnatgttaa taataaatta aggttataat ggttgccata 180
tcngagngaa tgnataagat tagtctcagc aaaaacaaaa attagtttgg aagtagata 239

```

```

<210> 1286
<211> 160
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1286
ccgctcaccc tgatagcctg ggtgttgata ttcactttac ccgcactcag acacaggcga 60

```

ccttgaagca gttctcgggtg tgtagagtc acgtgacagt cccacagcc tcccagata 120  
gctgtgtgcc tgtncgctac tgctgtgcc ttttcccaac 160

<210> 1287  
<211> 310  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1287  
cagtgttgta ccatattgaa tttatttnat gttaaagaaa gaaatgacac atcgttattt 60  
gtttttcatc cagccccag tctatgttgg tctgtgtcag ggattggcaa actacaaccc 120  
atgggccaaa tcccatgcct atgggtggtaa ataaagtttc actggaatat agctctgccc 180  
aatgcattta tgtactgtct gtggctccct ctactacaac tagagggttg agtagtgcac 240  
cagagaccat acagtgcct gctatgctga gaaatgtttt taaataaaat gaatgggtaa 300  
aatcgttatt 310

<210> 1288  
<211> 340  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1288  
atactaaaag ctatttaatt gtatactttt aagtgggtga ctgtatggta tgtacattat 60  
atatatcaat aagctgtctt aaaaaagtga actcaggggt tgcaaatgac cacacatctg 120  
agcttttagtc cccattcatc aggggcataa cctgtggaga aaaatcaggg aattatgcag 180  
tatatgggtt agacaggnaa acattctagg aagancgaga ttctatgtat aancttaagg 240  
gcaataaagc atcatggaag gttttaagca gtatataatc agatctacac tttagaaacc 300  
ccccaaatca ctgaattgta catttcaaac aagtgaattt 340

<210> 1289  
<211> 265  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1289  
gatgtttgtc atttttattt gcaatacttt aggtccaagt ttcaaactgc aatattttta 60  
cactcaagac acagtcatgc acaatccata tttcaatttt ctattgcttc aaccacaatt 120  
taaaataaca atattgaaaa caaaaatcct taaaaagntt ggntgctgag gtcagaaggn 180  
tggnaccata ccatcagcag gnctacaaaa gnaataactt acttaaaaat caaacaaca 240  
aaaagnccnt aaataccttt aatcc 265

<210> 1290  
<211> 381  
<212> DNA  
<213> Homo sapiens

<400> 1290  
tttaccagtt tttaaacttt taatgttctg aagtataagt aaacacatct caacagcttt 60  
acatattttc atatatttta ttttttaaac tctcataact ttgcaagcta gcagtaaaat 120  
attgccttca atattttact aattagcacc gtataccttt taaagctaac tggaacattg 180  
attcattata aatgattgta aaataaaatg atcatttcaa atgccaaatt aatctcaaat 240  
aacaagtga ctattattaa ttttatctct ttttttggt ctacgcacaa agatgtattt 300  
caaagatgaa cttaattata ttagtatcag ttttgtcaat ctagcaaatc atagtatcac 360  
agtttaaagc aatatttaac c 381

<210> 1291  
 <211> 384  
 <212> DNA  
 <213> Homo sapiens

<400> 1291  
 tttttttttt gtactcttta aatgtacttt taatgtatatt taaagaaatt ttaaattgaga 60  
 tattttaataa tacaagtatt tgagagcaat aaaaaaagaa agtccataca aggaagatga 120  
 acttagagag agctaccaga gcaggtaaatt ttccagcatt cttccatcat tggtgagaga 180  
 tgggtatcaa agccagtggg gttctgttct ccttggcagg tagatcccca aggtggggta 240  
 gctcaatgca attagctggg aagatcaccc gactcactct tccagggatg actccgtgca 300  
 cattaggaaa cctgacattg gtttgccctc caatgtcgct ctttgctgtg ggggcaatgc 360  
 cctgggcaca catattatca gaac 384

<210> 1292  
 <211> 223  
 <212> DNA  
 <213> Homo sapiens

<400> 1292  
 atggctcaat gttaattttt taatatactt gcaaatacat tataataaaa taatacaacc 60  
 aaatcaaaaa gcagccactt aaaaactgaa attcacaata tgagctgttc ttggctacat 120  
 acagaaggcc aacattttaa ctgaatgata attaaacgtt tactaccata ggtaatatatt 180  
 acgcacttct ggggtccaata gaagggtgtg aatcaatgtg atc 223

<210> 1293  
 <211> 541  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1293  
 tttagccgct caaagaaaat ttattggcac tcggtaaaga caatgccaca aaatgccatt 60  
 gaaacagata tctgaaagca caagggtgctg atgtagccac tagatgaatc tggtcggtag 120  
 cagttgagcc cgggtgaatta aggagtttac agctgttatt tatgtggctc atgatgctta 180  
 ttgagcaatc tgcaaaaata gatttcctgt ctcacacagg acagggtaga tttccagcaa 240  
 gcataatcaa aatctccaag tcttttggtc aaattagagc tgccaccatg cagcagggttt 300  
 tacttaaaagg tgtttactga tgaataaaact cacacttctg tgaactgggt cttgcttctt 360  
 gtgcagctaa ctctttccac ctctctttgt tctgctgaat gatgtccacc aggttggttct 420  
 tgaaactctt cagggtccact gctgcaaggg agtagtctgg ggaataggna ccatcactca 480  
 tggaggcctt tgtatttgat cgtctaagtg catcagccat gtggtacccc acaatgtggg 540  
 t 541

<210> 1294  
 <211> 445  
 <212> DNA  
 <213> Homo sapiens

<400> 1294  
 tttcaatgca tgaatatttg attttatttc aaaagacaat tatttataac actgaccctc 60  
 tatcaaaaag aatatgcttt tctgatgggg aagtgacaaa aaaaaaaaac tacacagaac 120  
 aagagtaata aagttctcaa gtaaggattg cactccaata ggaattgagt gattctctca 180  
 gagagcactc attacatctt agacaacgct actcttcttt cctcttggcc atatgttcag 240  
 gtctcatagt ctttctgaac acagaatggc agtggccagc attgtccatt atctatgttc 300  
 cgcttggtta ctaattaaaa agctttggtc ttcagtgttg taaacgcaat ttctgccttc 360  
 gatatacaaaa ggtgagtga tgaagacaaga ttagttgaag gaagtacttg atattttact 420  
 ccagatagct gaatgaaaat gggtg 445

<210> 1295  
 <211> 445  
 <212> DNA



<213> Homo sapiens						
<400> 1295						
tttttttttt	ttagaggttt	ccaacacact	ttattttgca	gaccactggt	ttgtagcttt	60
tgaggaccaa	catctctatc	aattcctata	aaatgtccaa	tcactttcag	ttccgtagca	120
ggctcttcca	tactgcacac	catgcttatg	gctggaggtc	cagttacaca	tgcatgaagg	180
ctgccctgcc	cactgggttc	tggaggaggg	cgcgtccgag	ttaaagcctc	ttccaggagc	240
ttgaacttcc	caggggtcat	ttcctttggc	aagaagtcat	tttacatgtg	cagctttggg	300
gcctgtgagc	agaaagcacc	agaaatgggc	aggatgtgct	gctttttctc	tcacgaagat	360
gggcacttga	ggatccagcg	cccttgtgct	taatgacagg	aatccctcct	cattgcttag	420
taggttaaaa	tataaggaag	cctcc				445

```
<210> 1296
<211> 442
<212> DNA
<213> Homo sapiens

<400> 1296
gcggccgcgtc cacatgcaca gaatctacta ggatttgtca cggccgggtg gcaccgattt 60
gtttttgacta tacaacaaac ttttttttca aaagtatttg ttcagataac ttaaaaaataa 120
tataaaaaata aacaatgaat ttgacttttc ctcaaaataa aaaaaaaaaag gatggaaagt 180
ctaaacaata gcatattttt gaagtacaaa tgaaatgtaa agacactggg ttagcttaac 240
gaaacagatc aaagagacaa gttcttggtc aatgctcttc ccagtatcac aacaccaggc 300
cgtgatcaaa aaccaatata gacaagaaag aagaaaaagg aaaaggtggg aaaagcaatg 360
tacaaaattt caaagataaa tacaatatit ataattgata tgttacaaaa taaagtcctt 420
tagcaactgc aagtgttcat gg 442
```

```
<210> 1297
<211> 385
<212> DNA
<213> Homo sapiens

<400> 1297
tttttttttaa attaaatcat ctctctttata tatgcatcca tcttttggtg aatacaagag      60
gtcctctttaa aatatataca ttcagtactt ctacatttat gtattcattt aatctctgta      120
ctgtagtaaaa atatgcattg ttttaattca taaggatttc ctggcaacaa tcagggttgat      180
actcactgcg tttgctgatt aagagcttag tgagccactc cagggaccaa ttctcccttc      240
tggatgcgga gaagcccatg agctatttta ggactataat gagactctac tgtgaaagca      300
aaatctgtct aatcttattc ttatcactta catttggtgta atctgtctat ttaagctacc      360
tttgggagta ggggtaaaat gttac                                           385
```

```

<210> 1298
<211> 501
<212> DNA
<213> Homo sapiens

<400> 1298
tcacccctcag tgcaaaactcg ctggcacaga gatgttcaat gatggcctca gatttcaact 60
cgttgtcaca gggaggacac accgttgtgc cttggggctt ggaggcttcg gtggcattgg 120
gcggcgtcat ggcgatgcag acgtccccct cgggagactt gtcacactta agcatctcgg 180
gccagtagaa gccgaagaac tgcatgaccg gctcgcacga gtcgcgcacg gcctcgcaga 240
ccagcgacac gggtagatgg gccgggtccag gcagacgggc gcgaagagcg agcagaggaa 300
gacctgggtg ccggcgtggc agttcttggt gagcaggggc acccagctgc tggcctgctg 360
cttcacctcc gccatggtct cgtgctccag cagggtgggc agcaccatct tcttgtagcc 420
cacgttgtgg cacagccgca ggtccgcggg gatgttcacg cactgaggtg gcttggtgta 480
gaagcgcgccg ctctggtacg g
501

```

```
<210> 1299
<211> 566
<212> DNA
<213> Homo sapiens

<400> 1299
```

```

tttgtttaaa tgaaaaaaag aaaactgaat atctccatta agaaggcaaa aaagtgccag      60
gcacgttagc acacacctgt ggttccagct actcaggaag ctgaggcagg aggattgctt      120
gagcccagga gtttgagacc agcctgggca acatagtga accctgtctc taaggggtgaa      180
aagaaaagaaa gaaagaaggc aaaatattag cacagattca ttgtagagaa aatggttatgt      240
atcctcacag actggagcca catacaaaga gataagtagc cttctttccc atgcttccag      300
ataaccagga tgcattctaag gtaagagggt ggaggaaaga agacacattg ctctgattcc      360
aagggttagag ggaataatga ccagatttca accctaagat agaaccctaaa tacttgggag      420
gcttgtggtt ctttcttctt aatggttgat aacacagtgt ccctacagag aggtcatctg      480
aaactcagag gcaataaact catcaggggc agcaacactg gcaacctaac ttagaagccc      540
cgtgtggccc ctttttttatt tggagt                                     566

```

```

<210> 1300
<211> 392
<212> DNA
<213> Homo sapiens

```

```

<400> 1300
tttttttttt ttaatcttgc ctttttttta ttcaaaagga tcacaagctt cacatcaatt      60
tggcttcaaa aagacctcat gtcttaaaac taagtaccgt gacatttatt ttgccatctg      120
tgacagtttc acgtcgaaaa agcctcaaca taaaaaaatt accttcaaaa cccactgaga      180
cattctcaca taaactagga tactgcacaa acaataaagt tctttcttca atagtcaatc      240
ttttcaattt catccatgtc ttcagcgttg agttgcttaa tactgctgtt aaagtgggcc      300
tggattttca tgagcgaggg cagctcatct acttcaatca tgttgaaggc aaggctcttt      360
ttcccaaagc gccccgtccg ccctatgcgg tg                                     392

```

```

<210> 1301
<211> 318
<212> DNA
<213> Homo sapiens

```

```

<400> 1301
ttttttctga aatcattctt ttattttgca cacacatagc tgctatttac tgaacactgg      60
aaattcatga atgcgttaca tatttaaact ttcatagaag gctcagatca acaaagcaaa      120
acttctacag ataataagta gttgtgtatg cttgtcactc ttggggcccat cagcacctgt      180
tccctatcat attgctgaac tctgcaaact ccagaaaagga aggtttcttt tccaaacttc      240
agagaagctg cagatcaaga atttgggccg ttgcatctga ttagaaaactc tcttcttcca      300
gtgtgagaac gttggatt                                     318

```

```

<210> 1302
<211> 451
<212> DNA
<213> Homo sapiens

```

```

<400> 1302
tgaatgatgt gcaacattta atagtcacaa agcatttgct ttcagtacag ataatgaaat      60
acagtagtgt gaggttttgt tgttttttta caatgaattg tgctgggcat ttatgtatag      120
agggttatt attttcttct gtatttctca tattcacagt tgtaataaag ttttctgagg      180
tgtcccaaag atgcaaaagc agaaattttt gaacacgtat tttgagaatt tctgaaactc      240
acataggtac attccacagg gaatatacag aaattttgct tgattgagta tagagttggt      300
aaaaatttct accacaatta ggtttacaca ggaaaatgta aaaaattact attttaaaag      360
gtaacacagt attaatgaag atgtataact atagattggt tctagcttca gaagaggtcc      420
tttcaatctg tattaaaatg ttgtgttttc t                                     451

```

```

<210> 1303
<211> 389
<212> DNA
<213> Homo sapiens

```

```

<400> 1303
tttgattttac aatgaagaaa tttattagtt cacagttctg gacgctggga atttcaatat      60
ggagggtgcca acatgtgttg agaggcttct tgccgtcttc ttcaaatcat ggaaaagggt      120
cccaaatttc tctctccttt ctgaagcgtc tcttcgaaga taaccctttc taaacatctc      180

```

```
ccttgagtac acataaaaagt ttactccaaa tttgtgaaat gtactggcct agggagatgc 240
tcagtcaatg ctgattaatt ttaggtagaa tagaaatgtc aggcacagtg agcacctttg 300
ctgtgattga ttgggtgtcg attctctgct atgaagcgaa ggggtgtgct ggatcaaaca 360
catccctctg gtgactagct ctctgcttt 389
```

```
<210> 1304
<211> 292
<212> DNA
<213> Homo sapiens
```

```
<400> 1304
ttttttttta ggataaacacc atttaatgaa caatactgga taacattaag tactattatc 60
actttaaaaat tcaaacaatc ttccaaacat caatacatat acagttagtt taaaatcaca 120
gacaaatcgg acttgagggg aaaagtgaat tcctcacctc ttgcccatgt ttgactttgg 180
gatggaattc agcaaagctc tcccactgca gattgggaga atcaggtatt tctcccat 240
ggggggctgc cagggaagga ggaccctata ggggtggccag caaggggcca ct 292
```

```
<210> 1305
<211> 335
<212> DNA
<213> Homo sapiens
```

```
<400> 1305
tttaggagta cacaatataa atgctttatt gctagcacag aggtttcttt ttaagtaaat 60
taaaagaaat aaatcttcat tttcacatct tttgttgcag tccaaaggta actagttggt 120
tagtggctat gtccacttgg acacatgcta caggagggca gcattcacat ggaagcactc 180
agaaatacgg catctgtcag ggctcacggc actgggctgc tgaatgcact gtcgtttgta 240
aataacagca agtggagact ttaaaacatc atggatagat aagagttata aatagaaaac 300
tggtacgggt aagaagcaga agatcgtaa ataca 335
```

```
<210> 1306
<211> 408
<212> DNA
<213> Homo sapiens
```

```
<400> 1306
aaagtttacc ataattttat tgtaatatca gaatcacata agatatagag ttaagcagaa 60
aactgatgaa ttttcttcag atgatcttta agaactctcaa aagccttgaa gtttgctatc 120
tttactgtc ttattagaag gataaaaaac tttgaatgaa aatccacttc ttggaaaaga 180
gccaggggtt atgcagaggc attcgggtatt tgtcgtagtg aaaggatcat atttgtctgc 240
aatgacaagt agatcgggca caggatacac tctcaaagca tagtcatatg cccaatacac 300
tgggcagaca taaagaggta ggggagtcag atgtccttgg gataagatag tctttacaaa 360
gtgattagga atagccaaat tgctgctagg aaaacggacg cagttttct 408
```

```
<210> 1307
<211> 406
<212> DNA
<213> Homo sapiens
```

```
<400> 1307
aatctgaagc ccctgatttt atttttccag catcactcta aggaagagtg tggattagtg 60
ccattattca gggctggtat taataaaaagt tagcttttat ctgcagggct aggttaaggc 120
tggcattctt actttttacat taaaaaaact ggctacaggc tgcgcactgg aggtacttca 180
gtcatgtgcc ttctctaaag gattcttaga tccttaaaat atatagtatg ttttaagttt 240
gtatctaaat agcacttact gtaatgtatt atacctaaat gtttattaaa agttagaaga 300
aatgagtacc aacaggccgg aatggaagtg aggagagggg ctaagacatt gctgatctga 360
gggacagacc tctatgcaat agaagagggc tgggagaagg ggtgat 406
```

```
<210> 1308
<211> 455
<212> DNA
<213> Homo sapiens
```

```
<400> 1308
tttgccacag ggtaaacttt tatttttagaa tccaatcttt tccccacaca tacacaataa 60
```

```

attaaacaga atccacagta aatgtacatt ttttaacata aaaagtcagt tactgttact 120
tcatgatcac atgaggatcg tcacagctcc gtgtccatta gcacattacc ctcttgtcc 180
ttaactctta tccgaccgga tctgtacttc gtttcttgat gaccgtttgc atatacggtt 240
ttaacagtgc catctgggta ttcccgcttc ttgaactggg cagtatgtag ttctctttgg 300
ccattattaa actctatgag tttgttgcca tcacgttgta ctctgacaat tgtaccatct 360
gggaaaatgc tttcttcttg tccatcagga aataagtttt taacagtctg gtcagggaac 420
gtgaatttct ttcttccatc tgggtaatgt ttttc 455

```

```

<210> 1309
<211> 419
<212> DNA
<213> Homo sapiens

```

```

<400> 1309
tttacaatt taactctgtat taactttatt taaataaatg accaatctgt caccacaat 60
gtcatgtggc ttctctgcac tgatcttgct ttgttttcaa acttgtcact tgcaaatatt 120
ataagaaaaa aaggatcatct aaaatgagtt aaactgggta caattgggtct caacttttaa 180
gaatttacat tcaaattgaa taggacgcag tgttttttaa gtgcaagata tactcttttg 240
gctcaacatg aaacattata gaactggaaa ttaccgcagt ctttctcct acaacaaact 300
tagttaaag ctgttttgaa agtttagtag ccatcagatt ataaactatg aaaaacactg 360
aaaagtcatt taaaatgagt atataaatgc aaattacaaa taaaaccagt gtgggagag 419

```

```

<210> 1310
<211> 265
<212> DNA
<213> Homo sapiens

```

```

<400> 1310
tttgtagaga gaaaaattta ttgcaaggca gccaaagcaag gacacaggag tctggcccaa 60
atctgtctct ccaagttgga ggctggggca gattttatat acagagggtg gtgaggcatg 120
atatgattgg atcttgtaat gaggggattc aggaggcttg atctgactgg atcacgccag 180
ggctcaatct gattggatca aggatcatgc cacgtggtgt ccacttctta actcagtcct 240
tgttcctcag tctgagcact taggt 265

```

```

<210> 1311
<211> 352
<212> DNA
<213> Homo sapiens

```

```

<400> 1311
tgatattaca agttctttta tgaatacctt ggtaacttgc tgacaactta aaagataata 60
ccactgatat tcaaatacag ttataatca agtccagtgg cagatactga accgcccacc 120
tccacctcaa tttgtgaaaa cctgtctttt gtagggttggt ctaccatggg taattacgca 180
gcaactgaata aaaaatagaa tatttttcta atacttctac aaatataata aacacagtaa 240
cagtttgctg cagcgatttt ctttacaag aatatttggg ccagtgcta cagaaaaaca 300
tgaactacat cttatcgtca caaaatagcc attataaaat gaattttgca gc 352

```

```

<210> 1312
<211> 425
<212> DNA
<213> Homo sapiens

```

```

<400> 1312
tgaagagcac agatttattg aaacaaaagt acatcccaca gagtggcagc aagattgagc 60
aacctgctgg agaccaccgg ttacagaatt ttctgggggt taaataccct ctagagggtt 120
cccattgggt actcggttta cgccctatgt aaatgaagta gtgatccgtg accagtctgg 180
ctggctcgtg gaggggacca gtcataggta cttttcattt ttcactctgc aggcagaaaa 240
ggggcagggt gcaaaggagg tataacctct gattcttttg ttacttgggc gaggaaagtt 300
gagattttcc tttagattta gttataggaa gtcagtgtga attggcttta ggcagtgtga 360
actgcctctg gaacttatcc tctgcctca caagcattta tgaaatctgg ccctagacaa 420
gatgt 425

```

<210> 1313  
 <211> 443  
 <212> DNA  
 <213> Homo sapiens

<400> 1313  
 cggccgcgga ggacctgtcg gacgcgctgt gcgagtttga cgcggtgctg gccgacttcg 60  
 cgtcgccctt ccacgagcgc cacttccact acgaggagca cctggagcgc atgaagcggc 120  
 gcacagcgca gtgtcagcga cacgagcggc ttcagcgact cggagagtgc agattcactt 180  
 tataggaaca gcttcagctt cagtgatgaa aaactgaatt ctccaacaga ctctacccca 240  
 gctcttctct ctgccactgt cactcctcag aaagctaaat taggagacac aaaagagcta 300  
 gaagccttca ttgctgatct tgacaaaact ttagcaagta tgtgaaacaa gaagttctgg 360  
 gtcctttcat cataaggag aagcttcaga aagttccgag gacctgctaa aatcagctac 420  
 tagaatctgc tgccagaggg gac 443

<210> 1314  
 <211> 116  
 <212> DNA  
 <213> Homo sapiens

<400> 1314  
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<210> 1315  
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 <212> DNA  
 <213> Homo sapiens

<400> 1315  
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 acagagtcac ccacaggtaa aacacatgac tgggctttga gctc 164

<210> 1316  
 <211> 386  
 <212> DNA  
 <213> Homo sapiens

<400> 1316  
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 gattacaggc atgcaccata acaccaact aatttttgta tatttagtag agacaggggtt 180  
 tcatcatggt ggccaggctg gtcctgaact cctgacctca agtgatccat cactcaggc 240  
 ctcccaaagt gccgggatta caggcatgag ccaccgcacg tggcctagat gaaagttttt 300  
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 aagctgtcac agcatttttg agatga 386

<210> 1317  
 <211> 513  
 <212> DNA  
 <213> Homo sapiens

<400> 1317  
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 catttgatac ggccataaat ttggatggtc catgttacaa tccttccaca attctccact 180  
 taaagacatc atttttctat gtttttaatg actattgcc a tctaacaatt ctacaattcg 240  
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<210> 1318

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<211> 166
<212> DNA
<213> Homo sapiens

<400> 1318
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ggcaaaaaat actattactt atttaatgtg gaacaagtct agtctttctc ttgagctccc    120
acctgctggt taggaggcaa caatgttatt tggatcctgt ttagag                    166

<210> 1319
<211> 497
<212> DNA
<213> Homo sapiens

<400> 1319
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tgcaaacacac ctaaataaat taccgagttt gctcaagcct ccaagcacca gtcaaataac    120
gaagtcgtat aaaaagtagg actttacaca ttgttagcca gctccagaat ggaactaatt    180
tagaaccttc aaattctgtc cagttgacag caatttctgc tattggaatt ttaaagaact    240
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accagggtta tcacacg                    497

<210> 1320
<211> 233
<212> DNA
<213> Homo sapiens

<400> 1320
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cgggacggag gavsghasgs agggagggac cagtsaccga ctgtcaagga agtacattca    180
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<210> 1321
<211> 231
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 1321
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cacgcaagac agatgatgca ggggaatggg tgtccactct tncctgtncct cagagctcct    120
gcagcaggcc tgantgacct gcaagcgggg cccatgcagc gtgtcctctg caaagtgcag    180
gtnttcagtc cacacacagc accaccagca ctgctgatgt cacggttgct t            231

<210> 1322
<211> 272
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 1322
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accttaagac aatcagtgat agtagtttct tggctgtacc ttacaaaata ttctaggtat    180
ttatattatt tatttncccg tacacaacaa cagcgtatta tagacaacat tctctcctgg    240
cttttttcac ttactcttta tccatattga ta                                272

<210> 1323

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 cngggtngcc cgcagcccca ggggtacaact g 391

<210> 1327  
 <211> 471  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1327  
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 aatgaagatc ttaacatgaa aagtgggtgc agagctcttt aggcaatgct gaaatgcact 120  
 tgattttatg cccgtgggtg gtcggcagca agttttatatt gcaaagcagc attagcaaac 180  
 agaagcaatt gcaccgtaaa tgagtaacct ctaaagtatc agtaattata tttaatgaaa 240  
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 gctaagctga cttctcagcc gcttcagtct cctgctccgg acagcttctc ttctggacag 360  
 aactggacat ccagggggga tacggagccc cttgantgcc ctgccttggg ccaagggtgt 420  
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<210> 1328  
 <211> 446  
 <212> DNA  
 <213> Homo sapiens

<400> 1328  
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 aggtatgtgt cactacaact gactaatttt taattttttt atagagacac aggatctcac 180  
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 ctaagtgttg ggattacagg catgagccac ggtgcctggc tatcacgcaa ttcttaagtg 300  
 cttattccag tagcagaaga gattagaaag gctggctttt tccaacagtg ggagcttgaa 360  
 tctggaaagt cttaaagttg ttgtaatttc acactactaa gaagcacttt gctcatgcaa 420  
 ctgaaaaaaaa aattaagtgc ctaccg 446

<210> 1329  
 <211> 432  
 <212> DNA  
 <213> Homo sapiens

<400> 1329  
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 gcccgaagtg cccatagaac agcctcaggc acgacttctg tgctccctcg ctgttcccag 180  
 agccatctgc caagaccagg aattcacctt tggagtctaa cttgttttct ctttttttca 240  
 cctctcaaaa aataaaaagc cttcagtaat acagcccaag gattaccctg gtgtctaaaa 300  
 gaaggataga ttcccataaa caatgttgtc agcttgagtg agggtaaaaa cagaaaggca 360  
 cacaataaat taaagcagac cttgactctt cagagggcct ggcgggtgacg tctggggggg 420  
 gccagatctg cc 432

<210> 1330  
 <211> 440  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1330  
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<210> 1334
<211> 260
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 1334
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caagagtgac tgtccatgct gctgaatcct gtgggctcca cgccagctcg ccaggccctg      120
gntctgctcc tggngcccct tggcaggaca gggcgccatn tncacacacc cgctgcttgg      180
gntgtgggtc antcctgtnt gctgagccac agaattcggt ctntctctta tggcttctca      240
cgttcacgag cgtaaggcaa                                260

<210> 1335
<211> 277
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 1335
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ctggctcttc tctcggggcg acccctcagt gctcggcagt catactgggg tgcgagagag      180
gtgggcagca gntcagcctc cccccgntgg gatgcgaaag tttnttggtt tcagcttcat      240
ttccgtgaag ggcaccnnga actcgaagcc cttccag                                277

<210> 1336
<211> 309
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 1336
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aggagcagga cttgggacag acgactgaag atgcagagac cccatggggc ccacccctgg      180
gccttctctc catntggctg caggcatcct ntntnatcan tgctggggtg cttcctgggt      240
aaagggccan aaggtnaagg agatgggntt ttcangcatc agaatgaggt tnaatttggt      300
gccacatc                                309

<210> 1337
<211> 405
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 1337
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tacagnccat gggtgaggag agctttncat ccgtgagcgc cgggcaagga caacagacac      180
agagagatgc agccgcctg ggntcatctg ctgcaccaac ttttacaaaa ggttctagaa      240
aagggaagtn tnaagtcaga tctgggattt cggcatcttg acctcatttg gacatggaaa      300
acctccacct atgtggctgg ctgggtcctg tcagagaaca tattttatca cctccacct      360
gcggcctggg ggntccctga caccaaggac tnggcctggg caggg                                405

<210> 1338

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<211> 493  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n=a,t,g or c

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agcaggntcc tatccagatg atacatgaga tggaggctcc tcagccacac tccagggagg 180  
gtgggggtggc aaggggggatt caggggataat ggcattaata atacaagtgg taaacaaata 240  
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tatggctggg nta 493

<210> 1339  
<211> 326  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

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atgacgagcc cagccaacag gccacaacag caccaggagg gttagcacat ggaaagaaca 180  
ttccaaggca gaagagtccc agcagcggtc cccaacccat gccaaagatg ctgattgctg 240  
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gccaaaggaa aggncttctg ggaaag 326

<210> 1340  
<211> 424  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n=a,t,g or c

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ngnnggtggg aggtggggtt ccgaggatat cttgggtgaa gacttggggg tcaagacaaa 180  
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aaag 424

<210> 1341  
<211> 429  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1341  
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agtggcagta gccagaagag gccaggaagt aaggggtgggt atgtgatgtg tcctgggaga      180
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gggcagcccc cgcccttctt cctgggggca ctgggagggc tcggtgggag ctcttggtcc      360
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tttggccga                                     429

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<210> 1342
<211> 246
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<223> n=a,t,g or c

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<400> 1342
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ctacaacgta catctttttc attgattaca gttgaacaga atccagtaaa atcattttac      180
atgctctaca gtcagtttca ggggcanccct aatctttttt cccccattat taaactagag      240
tccatt                                     246

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<210> 1343
<211> 852
<212> DNA
<213> Homo sapiens

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<400> 1343
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ccaaggcagt gatggagggg ctcaggactg ttgcctcaag tacagccaaa ggaagattcc      180
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gcaggactgt ccccttgaag gagaatcatc aggaccctgg acctgatacg gctccccagt      780
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<210> 1344
<211> 1258
<212> DNA
<213> Homo sapiens

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<400> 1344
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atatgggagc taccttgggt tcaacttggg ttttggcttc ggagtcacca tgggagtgca      420
cgtggcaggc cgcattctct gagcccacat gaacgcagct gtgacctttg ctaactgtgc      480

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<210> 1345  
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 <212> DNA  
 <213> Homo sapiens

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	cacatgcagt	gcaaagtgtg	cgactcgggt	ctggctctga	gcaccgaggt	gcaggcggcg	360
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<212> DNA  
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<213> Homo sapiens

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<213> Homo sapiens
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524

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<213> Homo sapiens
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<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<210> 1385
<211> 2130
<212> DNA
<213> Homo sapiens

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<211> 2298
<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens
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